Registered with the Ministry of Justice of the RF, March 22, 2002 No. 3326 MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION

> CHIEF STATE SANITARY INSPECTOR OF THE RUSSIAN FEDERATION

> > RESOLUTION No. 36 November 14, 2001

ON ENACTMENT OF SANITARY RULES

(as amended by Amendments No.1, approved by Resolution No. 27 of Chief State Sanitary Inspector of the RF dated 20.08.2002, Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated15.04.2003, No. 5. approved by Resolution No. 42 of Chief State Sanitary Inspector of the RF dated 25.06.2007. No. 6, approved by Resolution No. 13 of Chief State Sanitary Inspector of the RF dated 18.02.2008, No. 7, approved by Resolution No. 17 of Chief State Sanitary Inspector of the RF dated 05.03.2008, No. 8, approved by Resolution No. 26 of Chief State Sanitary Inspector of the RF dated 21.04.2008, No. 9, approved by Resolution No. 30 of Chief State Sanitary Inspector of the RF dated 23.05.2008, No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008, Amendments No.11, approved by Resolution No. 56 of Chief State Sanitary Inspector of the RF dated 01.10.2008, No. 12, approved by Resolution No. 58 of Chief State Sanitary Inspector of the RF dated 10.10.2008, Amendment No. 13, approved by Resolution No. 69 of Chief State Sanitary Inspector of the RF dated 11.12.2008, Amendments No.14, approved by Resolution No. 28 of Chief State Sanitary Inspector of the RF dated 05.05.2009, Amendments and Additions No. 15, approved by Resolution No. 73 of Chief State Sanitary Inspector of the RF dated 08.12.2009, Amendment No. 16, approved by Resolution No. 6 of Chief State Sanitary Inspector of the RF dated 27.01.2010, Amendments No.17, approved by Resolution No. 27 of Chief State Sanitary Inspector of the RF dated 21.04.2010, Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010, Amendments No.19, approved by Resolution No. 102 of Chief State Sanitary Inspector of the RF dated 10.08.2010, Amendments and Additions No. 21, approved by Resolution No. 145 of Chief State Sanitary Inspector of the RF dated 12.11.2010, Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010, Amendments No.23, approved by Resolution No. 30 of Chief State Sanitary Inspector of the RF dated 11.04.2011, Amendment No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011, as amended by Resolution No. 18 of Chief State Sanitary Inspector of the RF dated 31.05.2002)

On the basis of Federal Law No. 52-FL "On Sanitary and Epidemiological Well-being of Population" dated March 30, 1999 and Regulation on "State Sanitary and Epidemiological Control" approved by Resolution No. 554 of the Government of the Russian Federation dated July 24, 2000 <*>, hereby order:

<*> Collection of laws and regulations of the Russian Federation No. 31, Article 3295, dated 2000.

Enactment date of sanitary and epidemiological rules and regulations 'Hygienic Requirements for Safety and Nutrition Value of Food Products. Sanitary Rules and Regulations (SanPin) 2.3.2.1078-01' was postponed from July 1 to September 1, 2002 (Resolution of Chief State Sanitary Inspector of the RF No.18 dated 31.05.2002)

1. To put in force the sanitary and epidemiological rules and regulations 'Hygienic Requirements for Safety and Nutrition Value of Food Products. SanPin 2.3.2.1078-01', approved by Chief State Sanitary Inspector of the RF on 06.11.2001, on July 1, 2002.

G. G. ONISHCHENKO

Approved Chief State Sanitary Inspector of the Russian Federation First Deputy Minister of Health of the Russian Federation G. G. ONISHCHENKO November 6, 2001

2.3.2. FOOD RAW MATERIAL AND FOOD PRODUCTS

HYGIENIC REQUIREMENTS FOR SAFETY AND NUTRITION VALUE OF FOOD PRODUCTS

SANITARY AND EPIDEMIOLOGICAL RULES AND REGULATIONS SanPin 2.3.2.1078-01

(as amended by Amendments No.1, approved by Resolution No. 27 of Chief State Sanitary Inspector of the RF dated 20.08.2002, Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003, No. 5, approved by Resolution No. 42 of Chief State Sanitary Inspector of the RF dated 25.06.2007, No. 6, approved by Resolution No. 13 of Chief State Sanitary Inspector of the RF dated 18.02.2008, No. 7, approved by Resolution No. 17 of Chief State Sanitary Inspector of the RF dated 05.03.2008, No. 8, approved by Resolution No. 26 of Chief State Sanitary Inspector of the RF dated 21.04.2008, No. 9, approved by Resolution No. 30 of Chief State Sanitary Inspector of the RF dated 23.05.2008, No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008, Amendments No.11, approved by Resolution No. 56 of Chief State Sanitary Inspector of the RF dated 01.10.2008, No. 12, approved by Resolution No. 58 of Chief State Sanitary Inspector of the RF dated 10.10.2008. Amendment No. 13, approved by Resolution No. 69 of Chief State Sanitary Inspector of the RF dated 11.12.2008, Amendments No.14, approved by Resolution No. 28 of Chief State Sanitary Inspector of the RF dated 05.05.2009, Amendments and Additions No. 15, approved by Resolution No. 73 of Chief State Sanitary Inspector of the RF dated 08.12.2009, Amendment No. 16, approved by Resolution No. 6 of Chief State Sanitary Inspector of the RF dated 27.01.2010, Amendments No.17, approved by Resolution No. 27 of Chief State Sanitary Inspector of the RF dated 21.04.2010, Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010, Amendments No.19, approved by Resolution No. 102 of Chief State Sanitary Inspector of the RF dated 10.08.2010. Amendments and Additions No. 21, approved by Resolution No. 145 of Chief State Sanitary Inspector of the RF dated 12.11.2010, Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010, Amendments No.23, approved by Resolution No. 30 of Chief State Sanitary Inspector of the RF dated 11.04.2011, Amendment No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011)

I. Scope of Application

1.1. Sanitary and epidemiological rules and regulations 'Hygienic Requirements for Safety and Nutrition Value of Food Products' (hereinafter referred to as the 'Sanitary Rules') set forth hygienic requirements for safety and nutrition value of food products for an individual as well as compliance requirements for the said regulations under manufacturing, importing and turnover of foodstuff.

1.2. These Sanitary Rules have been developed on the basis of Federal Laws 'On Sanitary and Epidemiological Well-being of Population' (Collection of laws and regulations of the Russian Federation

No. 14, Article 1650, dated 1999), 'On Quality and Safety of Food Products' (Collection of laws and regulations of the Russian Federation No. 2, Article 150 dated 2000), 'On Radiation Safety of People' (Rossiyskaya Gazeta dated January 17, 1996), 'On Protection of Consumers' Rights' (Collection of laws and regulations of the Russian Federation No. 3, Article 140 dated 1996), 'Fundamentals of Legislation of the Russian Federation on Public Health Care' (Bulletin of the Congress of People's Deputies of the Russian Federation and the Supreme Council of the Russian Federation No. 33, Article 1318 dated 1993), Resolution of the Government of the Russian Federation No. 554 'On Approving the Regulation on State Sanitary and Epidemiological Service of the Russian Federation and Regulation on State Sanitary and Epidemiological Control' dated July 24, 2000 (Collection of laws and regulations of the Russian Federation No. 31, Article 3295 dated 2000).

1.3. Sanitary rules are designed for individuals, entrepreneurs and legal entities, the activity of which is carried out in the field of manufacturing, importing and turnover of foodstuff, provision of services in food retail business and public catering as well as for agencies and organizations of the State Sanitary and Epidemiological Service of the Russian Federation (hereinafter referred to as the "GosSanEpidemNadzor of Russia"), which carry out sanitary and epidemiological supervision and control.

1.4. Hygienic requirements for materials and items coming in contact with foodstuff shall be established by special sanitary and epidemiological rules and regulations.

II. General Provisions

2.1. Food products shall satisfy physiological needs of human beings in required substances and energy, meet demands generally placed on foodstuff with respect to organoleptic and physicochemical parameters and comply with requirements of regulatory documents as per permissible content of chemical, radiological, biologically active substances and their compounds, microorganisms and other biological organisms endangering health of current and future generations.

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

2.2. Foodstuff produced, imported and circulating in the territory of the Russian Federation shall comply with sanitary rules as per their safety and nutrition value.

2.3. Manufacturing, importing and turnover of food products which fail to comply with the requirements provided for by these Sanitary Rules shall be not permitted.

2.4. These Sanitary Rules requirements must be complied with when working out regulatory and technical documentation governing the issues of manufacturing, importing and turnover of foodstuff.

2.5. When developing new types of foodstuff, new manufacturing technology, packaging, storage, and transportation entrepreneurs and legal entities shall justify quality and safety requirements, requirements for maintaining quality and safety, develop programs of quality and safety in-process control, procedures of testing thereof, and set shelf life of such foodstuff.

2.6. Drafts of technical documents shall be subject to sanitary and epidemiological examination according to the established procedure.

2.7. Manufacturing of new food products in the territory of the Russian Federation and import of food products to the territory of the Russian Federation, which is carried out for the first time, shall be allowed only after their state registration in accordance with the established procedure.

2.8. Imported foodstuffs shall be subject to state registration prior to import thereof to the territory of the Russian Federation.

2.9. Manufacturing of foodstuff shall be carried out in compliance with regulatory and technical documents and shall be confirmed by foodstuff quality and safety certificates provided by the manufacturer (hereinafter referred to as the quality and safety certificate).

2.10. Food products for public catering shall not require execution of a quality and safety certificate.

2.11. Compliance of foodstuffs and drafts of technical documents with sanitary rules shall be confirmed during sanitary and epidemiological compliance examination to be carried out according to the established procedure.

2.12. When the sanitary rules lack safety and nutrition value requirements for a specific type of a new food product or a food product imported for the first time the requirements shall be set during sanitary and epidemiological examination subject to the following parameters:

- established by the developer of a new type of product in the draft of the regulatory and/or technical document;

- established by applicable sanitary rules for a product similar in its composition and properties;

- required from the product in the country of its origin;

- recommended by international organizations.

2.13. Foodstuff safety and nutrition value requirements shall be recorded in the sanitary and epidemiological opinion executed according to the established form, which shall be issued by authorities and departments of GosSanEpidemNadzor of Russia on the basis of results of sanitary and epidemiological examination.

2.14. Food raw material of plant origin compulsory requires information on pesticides used during cultivation of crop plants, fumigation of premises and packaging for their storage, pest control of food supply as well as the date of the last treatment using such pesticides.

Food raw material of animal origin compulsory requires information on usage (if any) of pesticides for control of ectoparasites or diseases of animals and fowl, for treating cattle-breading and poultry facilities, fish farming and water basing for fish reproduction as well as specification of pesticide and end date of its use.

2.15. Import, use and turnover of food raw material of animal and plant origin, which lacks information on the use of pesticides for its production, shall not be allowed.

2.16. Food raw material and foodstuffs shall be pre-packed and packaged into materials allowed to come into direct contact with food products, so that to ensure maintaining of quality and safety during storage, transportation, sale thereof, including with extended shelf-life.

(Clause 2.16 as amended by Amendments and Additions No. 9, approved by Resolution No. 30 of Chief State Sanitary Inspector of the RF dated 23.05.2008)

2.17. Entrepreneurs and legal entities engaged in manufacturing and turnover of foodstuffs, provision of services in the field of foodstuff retail and public catering shall be obliged to provide customers or consumers as well as state control and supervision authorities with complete and credible information on quality and safety of foodstuffs, compliance with requirements of regulatory documents under manufacturing and turnover of foodstuff and provision of services in the field of retail trade and public catering.

2.18. For certain kinds of food products (baby food, dietary and specialized food products, probiotic products, food additives, biologically active food additives, foodstuffs containing components, produced with the use of genetically modified organisms (hereinafter referred to as the GMO), etc.) the following shall be specified:

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003, No. 5, approved by Resolution No. 42 of Chief State Sanitary Inspector of the RF dated 25.06.2007)

- scope of application (for baby food, dietary and specialized food products, food additives, biologically active food additives);

- name of ingredients comprising food product, food additives, microbic cultures, starter cultures and substances used for foodstuffs enrichment; percentage of the daily physiological need, if such a need is foreseen, shall be specified for biologically active agents for biologically active food additives and enriched products;

- recommendations for use, application, and, if required, contraindications for their use;

- for biologically active additives the following information shall obligatory be specified: 'Not a medicine';

- for food products produced with the use of GMO, including those not containing deoxyribonucleic acid (DNA) and proteins, the following information shall be specified: 'genetically modified product' or 'product received from genetically modified organisms' or 'product contains components from genetically modified organisms' (for foodstuffs containing 0.9% or less of components received with the use of GMO it is an incidental or technically non-removable impurity, and food products containing the said quantity of GMO components are not classified as products containing components received with the use of GMO)

(as amended by Amendments and Additions No. 5, approved by Resolution No. 42 of Chief State Sanitary Inspector of the RF dated 25.06.2007)

- information on state registration.

The paragraph is excluded from September 1, 2007. - Amendments and Additions No. 5, approved by Resolution No. 42 of Chief State Sanitary Inspector of the RF dated 25.06.2007,

- for food products received from/ or with the use of genetically modified organisms (bacteria, yeast and filamentous fungi, the genetic material of which was changed with the help of genetic engineering methods) (hereinafter referred to as the GMM), the following shall be specified:

(the paragraph was introduced by Amendments and Additions No. 6, approved by Resolution No. 13 of Chief State Sanitary Inspector of the RF dated 18.02.2008)

- for products containing living GMM - 'The product contains living genetically modified microorganisms';

(the paragraph was introduced by Amendments and Additions No. 6, approved by Resolution No. 13 of Chief State Sanitary Inspector of the RF dated 18.02.2008)

- for products containing inviable GMM - 'The product was received with the use of genetically modified microorganisms';

(the paragraph was introduced by Amendments and Additions No. 6, approved by Resolution No. 13 of Chief State Sanitary Inspector of the RF dated 18.02.2008)

- for products freed from engineering GMM or for products produced with the use of components freed from engineering GMM - 'The product contains components received with the use of genetically modified microorganisms';

(the paragraph was introduced by Amendments and Additions No. 6, approved by Resolution No. 13 of Chief State Sanitary Inspector of the RF dated 18.02.2008)

- for food products produced with the use of technologies, allowing to receive them from the raw material, received without the use of pesticides or other plant protecting agents, chemical fertilizers, animal growth stimulants and feeding stimulants, antibiotics, hormonal agents, veterinary drugs, GMO, not treated with exposure to ionizing radiation and meeting these sanitary rules (hereinafter referred to as organic products), the following shall be specified: 'organic product';

(the paragraph was introduced by Amendments and Additions No. 8, approved by Resolution No. 26 of Chief State Sanitary Inspector of the RF dated 21.04.2008 N 26)

- for specialized food products for sportsmen, possessing the set nutritional and energy value and directed effectiveness, consisting of a set of nutrients or separate types of nutrients, the following shall be specified: 'specialized food product for sportsmen';

(the paragraph was introduced by Amendments No. 14, approved by Resolution No. 28 of Chief State Sanitary Inspector of the RF dated 05.05.2009)

- for specialized food products for sportsmen the following additional information shall be printed on the consumer packaging: information on nutrition and energy value of the product, share of the physiological need; recommended dosages, methods of preparation (if necessary), conditions and length of usage.

(the paragraph was introduced by Amendments No. 14, approved by Resolution No. 28 of Chief State Sanitary Inspector of the RF dated 05.05.2009)

- for meat of slaughter animals and poultry meat, edible offal of slaughter animals and poultry, as well as slaughter animals meat and poultry meat, contained in all types of food products, heat treatment type - 'chilling' (chilled meat includes: meat of slaughter animals, obtained directly after slaughter, and its offal, chilled to 0 °C to +4 °C in the muscles, with unmoistened surface, and a drying up crust; poultry meat obtained directly after slaughter and its offal chilled to 0 °C - +4 °C in the muscles);

(the paragraph was introduced by Amendments and Additions No. 9, approved by Resolution No. 30 of Chief State Sanitary Inspector of the RF dated 23.05.2008)

- for food products enriched with vitamins and mineral substances the following shall be specified: 'food product enriched with vitamins and/ or mineral substances'.

(the paragraph was introduced by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

Marking printed on the consumer packaging, wrapping of fish products shall contain additional information regarding the homogeneous food fish products of the following groups:

- frozen fish products:

a) glazed - net mass shall be given without the glaze mass;

b) produced from frozen fish products - information on refreezing;

- frozen salted and pickled fish products - words 'Frozen products'.

(the paragraph was introduced by Amendments No. 17, approved by Resolution No. 27 of Chief State Sanitary Inspector of the RF dated 21.04.2010)

ConsultantPlus: note:

For references related to quality and safety of food products see also Federal Law No. 29-FZ dated 02.01.2000.

2.19. Terms "dietary", "medical", "preventive" "baby", probiotic product" or their equivalents in designation of foodstuffs, in consumer packaging information and packaging inserts for the product shall be used in accordance with the established procedure.

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

The term 'green product' as well as other terms not having legal or scientific grounding must not be used in names and in consumer packaging information printed on the specialised food product.

(the paragraph was introduced by Amendments No. 14, approved by Resolution No. 28 of Chief State Sanitary Inspector of the RF dated 05.05.2009)

2.20. When manufacturing food raw material of animal origin the use of feed additives, animal growth-promoting substances, pharmaceuticals, drugs for treating animals and fowl as well as preparations for treating premises for their keeping which have not undergone sanitary and epidemiological examination and state registration according to the established procedure shall be prohibited.

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

2.21. Foodstuffs containing feed additives, animal growth-promoting substances (including hormonal agents), drugs, pesticides, agrochemicals which have not undergone sanitary and epidemiological examination and state registration according to the established procedure shall not be liable to import, manufacturing and turnover in the territory of the Russian Federation. Their recycling or destruction shall be carried out according to the established procedure.

2.22. In-process control and state sanitary and epidemiological surveillance and monitoring shall be exercised in respect of compliance of food products with requirements for safety and nutrition value.

2.23. Individual entrepreneurs and legal entities engaged in production, import and turnover of food products must carry out in-process control including laboratory analysis and testing of foodstuff safety and nutrition value indexes as per compliance with requirements of these Sanitary Rules according to sanitary rules of a company and carrying out of in-process control.

2.24. Individual entrepreneurs and legal entities engaged in manufacturing and turnover of food products upon the results of carrying out of measures aimed at ensuring quality and safety of foodstuffs, compliance with requirements of regulatory and technical documents including carrying out of in-process control shall receive quality and safety certificate for every batch of food products.

2.25. Individual entrepreneurs and legal entities engaged in manufacturing and turnover of food products shall carry out laboratory analysis and testing independently or with engagement of laboratories accredited according to the established procedure.

2.26. For conducting laboratory analysis and testing of quality and safety parameters of food products only those techniques and methods will be allowed which are metrologically certified and comply with requirements for provision of uniformity of measurements and measuring accuracy characteristics, with methods of testing product samples and control of their parameters as well as those methods which comply with the said requirements and approved according to the established procedures.

2.27. Regulatory and technical documents for culture medium intended for control over microbiological indices of safety and nutrition value of foodstuffs shall be subject to sanitary and epidemiological examination according to the established procedure.

2.28. In case of unacceptable results of analysis even for one of the safety parameters, this parameter is subject to recurrent examination under double volume of sample capture taken from the same batch. The results of the second examination shall apply to the whole batch.

2.29. State sanitary and epidemiological surveillance and control over compliance of foodstuffs with these Sanitary Rules shall be carried out by agencies and departments of GosSanEpidemNadzor of Russia according to the established procedure.

III. Hygienic Requirements for Safety and Nutrition Value of Food Products

3.1. These Sanitary Rules shall establish hygienic requirements for safety of foodstuffs and their ability to satisfy physiological need of a man in major nutrient materials and energy.

3.2. Organoleptic properties of food products shall be defined by such properties as flavour, colour, smell and consistency, specific for each type of product and must meet traditionally established tastes and habits of people. Organoleptic properties of food products shall not be changed during storage, transportation and distribution.

3.3. Foodstuffs shall not have foreign odours, after-tastes, inclusions, differences in colour and consistency incidental to the given type of product.

3.4. Safety of foodstuffs regarding their microbiological and radiological safety as well as with respect to content of chemical contaminants shall be determined by their compliance with hygienic standards provided for by these Sanitary Rules (Annex 1).

3.5. Determination of parameters of safety and nutrition value of food products including biologically active food additives, mixed composition shall be carried out for basic type(s) of raw materials both by the mass fraction and by permissible levels of controlled contaminants.

3.6. Determination of safety parameters of dry, concentrated or diluted food products shall be carried out in terms of original product subject to content of dry substances in the raw and final product.

3.7. Hygienic standards shall apply to potentially hazardous chemical compounds and biological subjects the presence of which in foodstuffs must not exceed permissible levels of their content in the weight specified (volume) of product under examination.

3.8. The content of major chemical contaminants endangering human health shall be monitored in food products.

Hygienic requirements for permissible level of content of toxic elements shall apply to all types of food raw material and foodstuffs.

3.9. Content of mycotoxins - aflatoxin B1, deoxynivalenol (vomitoxin), zearalenone,T-2 toxin, patulin shall be controlled in food raw material and food products of plant origin, aflatoxin M1 – in milk and dairy products. Most dangerous contaminants are: for cereal products - deoxynivalenol; for nuts and oil seeds - aflatoxin B1; for fruit and vegetable derivatives - patulin.

The content of ochratoxin A shall be controlled in food grain and flour-cereal products.

(the paragraph was introduced by Amendments No. 12, approved by Resolution No. 58 of Chief State Sanitary Inspector of the RF dated 10.10.2008)

3.10. Occurrence of mycotoxins in baby food and dietary products shall be excluded.

3.11. Pesticides shall be controlled in all types of food raw material and food products: hexachlorocyclohexane (alpha-, beta-, gamma isomers), DDT and its metabolites. Organomercury pesticides, 2, 4-D acid, its salts and esters shall be controlled in grain and its derivatives. 2, 4-D acid, its salts and esters shall also be controlled in fish and fish derived products.

3.12. Control of food raw material and food products as per the content of residual quantity of pesticides and agrochemicals including fumigants is based on information provided by the product manufacture (supplier) on use of pesticides and agrochemicals during the processes of manufacturing and storage of food products.

3.13. Sanitary and epidemiological examination of food raw material and foodstuffs containing pesticides shall be carried out in compliance with the applicable hygienic standards of pesticide content in the objects of environment.

3.14. Residual quantities of animal growth-promoting substances (including hormonal agents), pharmaceuticals (including antibiotics) used in cattle breeding for fattening up, treatment and prevention of diseases of livestock and fowl shall be controlled in food products of animal origin, including in baby food.

The following feed and medical antibiotics most commonly used in animal breeding and veterinary (Annex 1 of these Sanitary Rules) shall be controlled:

- bacitracin (bacitracin A,B,C, zincbacitracin);

- tetracycline group (tetracycline, oxytetracycline, chlortetracycline –sum of the original substances and their 4-epimers);

- penicillin group (benzylpenicillin, phenoxymethylpenicillin, ampicillin, amoxicillin, penethamate);

- streptomycin;

- laevomycetin (chloramphenicol).

(Clause 3.14 as amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

3.15. Control over the content of animal growth-promoting substances (including hormonal agents), pharmaceuticals (including antibiotics) used in cattle breeding for fattening up treatment and prevention of diseases of livestock and fowl, preparations not specified in Clause 3.14 shall be based on information provided by the product manufacture (supplier) on the preparations used during manufacturing and storage of such products (Annex 21 of these Sanitary Rules).

(Clause 3.15 as amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

3.16. Polychlorinated biphenyls shall be controlled in fish, fish products; benzopyrene – in grain, in smoked meat and fish products.

3.17. Occurrence of benzopyrene in baby food and dietary products shall be excluded.

3.18. The following shall be controlled in separate food products: the content of nitrogen compounds: histamine – in salmonids and scombrids (including the tuna group); nitrates – in horticulture product; N- nitrosamines – in fish and fish products, meat products and brewer's malt.

Phycotoxins shall be controlled in non-fish products (shell-fish, internal organs of crabs).

(the paragraph was introduced by Amendments No. 12, approved by Resolution No. 58 of Chief State Sanitary Inspector of the RF dated 10.10.2008)

3.19. Indications of oxidative deterioration shall be controlled in fatty products: acid and peroxide value.

3.20. The content of radionuclides shall be controlled in food products.

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

Radiological safety of foodstuffs for Caesium-137 and Strontium-90 shall be determined by their permissible levels of specific activity of radionuclides provided for by these Sanitary Rules. Compliance factor – B shall be used for determining compliance of foodstuffs with criteria of radiological safety, the value of it is calculated using results of measuring specific activity of Caesium-137 and Strontium-90 in a sample:

B = (A/H) 90Sr + (A/H) 137Cs, where A - is the value of specific activity of 90Sr and 137Cs in a food product (Bq/kg), H - is a permissible level of specific activity for 90Sr and 137Cs in the same product (Bq/kg).

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

Radiological safety of foodstuffs contaminated with other radionuclides shall be determined by sanitary rules that specify radiological safety standards.

3.21. Presence of pathogenic microorganisms and pathogens of parasitic diseases, their toxins causing infectious and parasitic diseases or endangering human and animal health shall be excluded from food products.

3.22. Sanitary and epidemiological examination of meat and meat products, fish, shell fish, molluscs, amphibians, reptiles and products of their processing for the presence of pathogens of parasitic

diseases shall be carried out in accordance with sanitary rules for conducting parasitological control and parasitological parameters of safety (Annex 6).

3.23. Presence of pathogens of parasitic diseases in meat and meat products shall not be tolerated: bladder worms (cysticercus), larvae of trichinella and echinococci, cysts of sarcocystis and toxoplasma.

3.24. Presence of living larvae of parasites threatening human health shall not be tolerated in fish, shellfish, molluscs, amphibians, reptiles and products of their processing.

When finding living helminths larvae one should be governed by sanitary rules for parasitic diseases preventive measures.

3.25. Presence of helminths eggs and cysts of enteric pathogens shall not be tolerated in fresh and quick-frozen table greenery, vegetables, fruits and berries.

3.26. Hygienic standards for parasitological safety parameters of drinking water shall be determined in accordance with hygienic standards specified for quality of centralized drinking water supply systems.

3.27. Hygienic standards for microbiological parameters of safety and nutrition value of foodstuff shall include the following groups of microorganisms:

- sanitary-indicative ones, which include: number of mesophilic aerobic and facultative-anaerobic microorganisms (NMAFAnM), Coliform bacteria - coliforms, bacteria of Enterobacteriaceae family, enterococcus;

- opportunistic pathogens, which include: E. coli, S. aureus, Proteus class bacteria, B. cereus and sulfite-reducing clostridia, Vibrio parahaemolyticus;

- pathogenic microorganisms, including salmonella and Listeria monocytogenes, Yersinia class bacteria;

- spoilage microorganisms - yeast and mold fungi, lactic-acid microorganisms;

- starter population microorganisms and probiotic microorganisms (lactic-acid microorganisms, propionate microorganisms, yeast, bifidobacteria, acidophilic bacteria and etc.) – in products with controlled level of biotechnological flora and probiotic products.

3.28. Controlling of microbiological parameters of safety of foodstuff shall be carried out for majority groups of microorganisms under the alternative principle, i.e. the mass of a product is controlled, where coliforms, majority of opportunistic pathogens, as well as pathogenic microorganisms including Salmonella and Listeria monocytogenes shall be excluded. In other cases the standard reflects the number of colony-forming units in 1 g (ml) of the product (CFU/g, ml).

3.29. Criteria of safety of preserved food products (manufacturing sterility) is the absence of microorganisms capable of developing under temperature of storage specified for certain type of canned food and microorganisms and bacterial toxins endangering human health life in preserved food products (Annex 8).

3.30. Biologically active food additives are the source of food, minor, pro- and prebiotic natural (identical to natural) biologically active food substances (components), which provide their intake into a human body while eating or introducing into the composition of food products.

Biologically active substances, food components and products being their sources and used during manufacturing of biologically active food additives must ensure their efficiency and must not negatively affect human health (Annex 5a).

Biologically active substances, food components and products being their sources that pose - according to current research data – a hazard to human life and health when used as a component of biologically active food additives shall not be allowed for use when manufacturing biologically active food additives (Annex 5b).

3.31. The parameters of nutrition value shall be established in food products. Parameters of nutrition value of food products shall be established by a manufacturer (developer of technical documents) on the basis of analytical methods of research and/or with the use of calculating method subject to composition of a food product and data on composition of raw materials.

3.32. Specific foodstuffs as per parameters of nutrition value must comply with requirements of these Sanitary Rules (Annex 2).

3.33. Baby food must comply with physiological conditions of a child with account of his/her age and must be safe for baby health.

3.34. Baby food and its components, foodstuff for pregnant and breast feeding women (hereinafter referred to as the specialized products) must comply with hygienic standards of safety and nutrition value provided for by these Sanitary Rules (Annex 3)

3.35. Foodstuffs shall allow the use of food additives which - according to the data of current research - do not negatively affect human life and health as well as life and health of future generations (Annex 7).

Foodstuffs containing food additives not specified in Annex 7 shall not be allowed for manufacturing, import and distribution in the territory of the Russian Federation. Their recycling or destruction shall be carried out according to the established procedure.

3.36. Application of food additives and permissible levels of their content in food products are governed by sanitary rules for application of food additives.

3.37. It is not allowed to use poultry meat, except chilled, mechanically separated poultry meat, and collagen containing raw material from poultry meat for production of baby food (for all age groups, including organised children groups) dietary food products (curative and preventive), specialized food products for pregnant and nursing women, delicatessen from poultry meat (pastrami, raw smoked and raw cured products).

(Clause 3.37 was introduced by Amendments and Additions No. 9, approved by Resolution No. 30 of Chief State Sanitary Inspector of the RF dated 23.05.2008 as amended by Amendments and Additions No. 21, approved by Resolution No. 145 of Chief State Sanitary Inspector of the RF dated 12.11.2010)

3.38. It is not allowed to use poultry meat, except chilled, for production of chilled natural semimanufactured products from poultry meat and food products from poultry meat without heat treatment. (Clause 3.38 as amended by Amendments and Additions No. 21, approved by Resolution No. 145 of Chief State Sanitary Inspector of the RF dated 12.11.2010)

3.39. Control over the content of melamine in milk and milk products is performed if there are reasonable assumptions about the possibility of its presence in the food raw materials. Food safety regarding melamine content shall be determined by its conformity with hygienic standards set by these Sanitary Rules (Annex 1 and Annex 3). Presence of melamine in food products shall not be tolerated.

(Clause 3.39 was introduced by Amendments No. 11, approved by Resolution No. 56 of Chief State Sanitary Inspector of the RF dated 01.10.2008)

3.40. Control over the content of dioxins in food products shall be carried out in cases of deterioration of environmental situation associated with man-made and natural disasters, which lead to formation and penetration of dioxins in the environment; in case there are reasonable assumptions about the possibility of their presence in food raw materials. Food safety regarding dioxin content shall be determined by its conformity with hygienic standards set by these Sanitary Rules (Annex 1 and Annex 3). (Clause 3.40 was introduced by Amendments No. 12, approved by Resolution No. 58 of Chief State Sanitary Inspector of the RF dated 10.10.2008)

3.41. Food products must not contain melamine (detection limit shall be less than 1 mg/kg). The content of dioxins must not exceed the permissible levels from 0,000001 to 0,00000075 in the respective food groups, according to the requirements of Annex 1. Dioxins are not allowed in all baby food products. (Clause 3.41 was introduced by Amendment No. 13, approved by Resolution No. 69 of Chief State Sanitary Inspector of the RF dated 11.12.2008)

3.42. When treating fish fillet with the use of food additives water content in it after the taking off of glaze shall not exceed 86 per cent of the fish fillet.

Mass of glaze, applied to the frozen fish, fish products must not exceed 5% of net mass, mass of glaze, applied to shellfish products and products of their processing, must not exceed 7% of net mass, mass of glaze, applied to products produced from other (except shellfish) non-fish products (molluscs, invertebrates, algae), amphibians, reptiles and products of their processing, must not exceed 8% of net mass of the glazed frozen fish products.

(Clause 3.42 as amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

IV. Organization of Activity of the Federal Service on Customers' Rights Protection and Human Wellbeing Surveillance for Carrying out State Registration and Assessment of Safety of Foods Products Derived from Genetically Modified Organisms of Plant Origin

(introduced by Amendments and Additions No. 6, approved by Resolution No. 13 of Chief State Sanitary Inspector of the RF dated 18.02.2008)

4.1. New food products derived from GMO of plant origin produced in the Russian Federation, as well as food products derived from GMO of plant origin, imported to the territory of the Russian Federation for the first time, shall be subject to State registration.

4.2. Federal Service on Customers' Rights Protection and Human Well-being Surveillance (hereinafter referred to as the Rospotrebnadzor) performs state registration of food products derived from GMO of plant origin (hereinafter referred to as the state registration of GMO).

4.3. State registration of GMO is carried out in accordance with Federal Law 29-FZ dated 02.01.2000 'On Quality and Safety of Food Products' (Collection of laws and regulations of the Russian Federation No.2, Article 150, dated 2000; No. 1, (part I), Article 2, dated 2002; No. 2, Article 167 dated 2003; No. 27 (part I), Article 2700, dated 2003; No.35, Article 3607, dated 2004; No. 19, Article 1752,

dated 2005; No. 50, Article 5242, dated 2005; No. 1, Article 10, dated 2006; No. 14, Article1458, dated 2006; No. 1 (part I), Article 29, dated 2007 and Resolution No. 988 of the Government of the Russian Federation dated 21.12.2000 'On State Registration of New Food Products, Materials and Goods' (Collection of laws and regulations of the Russian Federation No. 1 (part II), Article 124, dated 2001; No.18, Article1863, dated 2001; No. 3, Article 222, dated 2002; No.7, Article 653, dated 2003; No. 6, Article760, dated 2007; No. 10, Article1244, dated 2007; No.12, Article 1414, dated 2007).

4.4. For state registration of GMO individual entrepreneurs or organisations engaged in development and (or) the preparation for the production or importation of imported goods (hereinafter referred to as the applicant) shall submit documents to Rospotrebnadzor in accordance with the Resolution of the Government of the Russian Federation No. 988 dated 21.12.2000 'On State Registration of New Food Products, Materials and Goods'.

4.5. State registration of GMO includes, in particular, examination of results of medical-biological safety assessment carried out in authorized institutions, performing sanitary-epidemiological examination, toxicological, hygienic and other types of assessments for the purposes of state registration.

4.6. Medical-biological safety assessment of food products derived from GMO of plant origin includes:

- Expert analysis and evaluation of data submitted by the applicant;

- Expert analysis of methods for detection, identification and quantitative measurement of GMO in food products;

- Medical-genetic evaluation;

- Evaluation of functional and technological properties;

- Medical and biological examinations.

4.7. The list and volume of medical and biological examinations required to assess safety of food products derived from GMO of plant origin, shall be determined by the Expert (Scientific) Boards of the respective authorized organisations based on the analysis of documents submitted by the applicant, containing:

1) Information allowing to identify GMO (type, variety, transformational event);

2) Information about the source of the parental organism (taxonomic characterization, the method of reproduction and distribution; data on toxic, allergenic and other unfavourable properties);

3) Information on the organisms-donors of the introduced genes (taxonomic characterization, history of use);

4) Information about the method of genetic modification (description of the method of modification, structure of the vector, structure of the insertion);

5) Information about GMO (description of properties acquired by the plant as a result of modification, description of the structure of the genetic construction (introduced or removed) and place of its localization, characterization of expression of embedded genes (expression during ontogeny plants, the intensity of expression of the structural components of plants, etc.), characterization of differences with the parental organism (method of reproduction, ability of cross – pollination, resistance to stresses, etc.), characterization of genetic and phenotypic stability (it is necessary to submit data from studies of several generations of GMO), characterization of the ability to transfer genes to other organisms (plants, microorganisms);

6) Results of safety assessment of food products derived from GMO of plant origin:

- Results of analysis of compositional equivalence (comparison of the chemical composition of GMO with the chemical composition of its traditional counterpart by the following parameters: protein content, amino acid composition, fat content, fatty acid composition, carbohydrate composition, vitamin content, the content of macro-and micronutrients, content of biologically active substances, allergens content, the content of anthropogenic and natural contaminants, the content of antinutrients and other substances that are characteristic of plant organisms of this type). The list of indices varies depending on the properties of the studied plant organism;

- The results of toxicological research (safety assessment of one or more proteins that determine appearance of the set properties in GMO (molecular and biochemical characterization of the protein, the presence or absence of homology with the toxins of protein nature, as well as with proteins with pharmacological or other biological activity; the study of stability of the protein during processing, storage, engineering processing; the impact of temperature and pH, possible modification and / or formation of stable protein fragments resulting from various influences; stability of the protein to processing with proteolytic enzymes in in vitro experiments; study of acute oral toxicity of the protein in the experiments with rodents; additional research);

- Results of the safety assessment of the native product (results of studies on rodents, young rapidly growing animals, if such studies were carried out; additional research);

- Results of allergy research (evaluation of allergenic properties of one or several proteins that determine appearance of the set properties in GMO (comparison with known allergens, using databases containing information on the three-dimensional structure and function of the known allergens and proteins related thereto); identification of potential allergenicity of proteins in immuno-chemical studies in

vitro using IgE, isolated from the serum of patients suffering from allergies; identification of resistance to proteolytic enzymes; screening studies with the use of blood serum of patients suffering from allergies; additional research (including in vivo);

- Evaluation of allergenic properties of the native product (comparison of a set of allergens of the studied GMO with a set of allergens of its traditional counterpart, etc.), if any information is available on the allergenic properties of the donor organism;

- Results of other studies (determination of food and biological value; use of sophisticated analytical techniques such as specialised technologies, etc.), in case these studies were conducted;

- Results of control carried out in countries using GMO in the production of food products;

7) Information necessary for the implementation of state control (supervision) over food products derived from GMO of plant origin: identification and quantification methods of one or more transformation events, testing protocols, description of primers, standard samples of composition and properties;

8) Materials on registration of food products derived from GMO of plant origin in other countries.

4.8. Information constituting a state, commercial and (or) official secret, obtained by Rospotrebnadzor in the exercise of its powers, shall not be subject to disclosure, except in cases established by the legislation of the Russian Federation.

4.9. Medical and biological evaluation of safety of food products, derived from GMO of plant origin, shall be carried out with the use of samples of the specified food products and their conventional counterparts, provided by the applicant.

4.10. Authorized organisations shall prepare and submit to Rospotrebnadzor reports (expert opinions) on the results of medical and biological safety assessment of GMO.

4.11. Rospotrebnadzor shall take a decision on state registration on the basis of the results of studying of documents and expert opinions and issue a certificate on state registration to the applicant.

4.12. Information about GMO that have undergone state registration shall be included into the State Register of Food Products, Materials, and Goods Allowed for Production in the Territory of the Russian Federation or Import into the Territory of the Russian Federation and Circulation thereof (hereinafter referred to as the State Register).

V. Organization of Activity of the Federal Service on Customers' Rights Protection and Human Well-being Surveillance when Performing Supervision (Control) over Circulation of Food Products Derived from/ or with the Use of Genetically Modified Microorganisms

(introduced by Amendments and Additions No. 6, approved by Resolution No. 13 of Chief State Sanitary Inspector of the RF dated 18.02.2008)

5.1. Food products derived from / or with the use of genetically modified microorganisms (hereinafter referred to as GMM), as well as products derived from / or with the use of natural biotechnological microorganisms, traditionally used in food industry and having a genetically-modified analogues (hereinafter referred to as GMA), which have undergone state registration in the established manner and included into the State Register or sanitary-epidemiological expertise and included into the Register of Certificates on Sanitary-Epidemiological Conformity (Non-Conformity) of activities (works, services), products, project documentation, requirements of state sanitary - epidemiological rules and regulations (hereinafter referred to as the Register of Sanitary-Epidemiological Opinions), shall be monitored for compliance with sanitary rules and regulations for carrying out examinations of legal entities and individual entrepreneurs at the following stages:

- imported from abroad;
- production
- storage and transportation;
- sale.

5.2. Selecting food products which are subject to a sanitary-epidemiological examination regarding the presence of GMM (GMA), it is necessary to proceed from its belonging to one of three groups of products, production technology of which provides for the use of microorganisms of technological microflora or microorganisms-producers (Table 1).

Food Products Subject to Examination on the Content of Genetically Modified Microorganisms or Microorganisms Having Genetically Modified Analogues

	Will berganisms having beneficially would a vitalogues
Group of Products Depending on the Condition of their Technological Microflora or Microorganisms-Producers	Field of Application and Main Types of Products
Crown L food row	Milly fot all inductory and changes production
Group I - food raw material,food products and food components containing viable technological microflora	Milk, fat oil industry and cheese production Starters, bacteria concentrate and biomass on the basis of pure cultures and natural symbiosis of lactic acid, probiotic, propionic acid (bifidobacteria, lactobacilli), acetic acid, leuconostoc, thermophilic streptococci and other microorganisms, yeast and molds for production
	Fermented milk products and yogurts, including baby and dietary food, probiotic, cottage cheese, sour cream, etc.
	Cheeses (all types)
	Acid cream butter and products based on it
	Children's fermented dried milk mixture, dried fermented milk products of mass consumption and dietary food.
	Margarine, mayonnaise
	Production of biologically active food additives
	BAA to food on the basis of probiotic microorganisms, biomass and bacteria concentrate for their production
	Plant-based BAA to food with addition of microorganisms-probiotics
	Meat and poultry processing industry
	Starting cultures for meat fermentation on the basis of lactic acid, propionic acid microorganisms, Micrococci, non-pathogenic Staphylococci, Pediococci, molds, yeast, etc.
	Smoked and dried meat and poultry products
	Fish processing industry
	Fermented fish products and preserves
	Bakery industry; production of fermented beverages, brewing, alcohol and starch industry, sugar production:
	Beer
	Kvas, drinks based on tea fungus, etc.
	Yeast
	Starters for bakery products based on lactic acid and other microorganisms for production of bakery products
	Microorganisms and yeast cultures, processing aids for directed fermentation of raw material in the production of alcohol, sugar, vinegar, etc.
	Horticultural industry and vegetable products processing
	Salted and pickled vegetables, mushrooms and cereals products and starter cultures for production thereof
	Pickled, salted, soaked vegetables and fruits
	Fermented products based on vegetable soybean milk
	Fermented soy and grain products (sauces, national dishes, etc.)
	Others
	Cultures of microorganisms for the use as processing aids.
I	

	Producer strains for the production of ferments, vitamins and biological preserving agents etc			
Group II -	Baking industry			
food products containing	Bread, products from yeast and sour dough			
inviable technological	Dairy industry			
microflora	Heat treated fermented milk products			
	Canned milk and milk containing products based on or containing fermented milk components, including for baby food			
	Production of juices and juice drinks, winemaking:			
	Clarified fruit and citrus juices, grape and fruit wines			
	Production of biologically active additives to food, production of food concentrates, enriched and specialized products			
	Extracts, lysates, proteins, protein products, nucleotide mixture on the basis of yeast and other inactivated microbial biomass			
	Starch industry			
	Modified starches obtained through microbial fermentation			
Group III -	Enzyme agents for food industry			
food components and substances, food additives	Vitamins (beta-carotene, riboflavin), fatty acids, amino acids			
and micronutrients,	Flavouring agents, sweetening agents			
produced with the use of	Preserving agents (nizin, lactic acid, etc.)			
strain - producers, but exempt from them during	Processing aids for production of alcohol			
technological process	Vinegar			
	Edible organic acids (citric, tartaric, apple, etc.)			
	Prebiotics (fructooligosaccharides), dextrin and other products of starch Industry			
	Protein hydrolysates on the basis of milk raw materials, meat and poultry raw materials, raw fish materials and non-fish products, plant material, including soybean			
	Glucose-galactose syrups			

5.3. Control over food products from GMM allowed to be sold to population and to be used in food industry in the Russian Federation shall be exercised subject to using the information on food products obtained from or with the use of GMM, included into the State Register and the Register of Sanitary-Epidemiological Opinions in the established manner.

5.4. Control over food products from GMA, sold to population and used in food industry, shall be exercised taking into account the information about the availability of permits for the use of GMM in food industry (Table 2), as well as information about the cultures of microorganisms used in food industry and about their genetically modified analogues, potentially suitable for production of food products (Table 3).

No	Type of Food Raw Material or Food Product	Microorganisms (Groups, Genera, Spec	ies), Used for Production thereof	Field of Application - in Production of:
		Standard Natural Strains	GM Strains	
1	Starters, bacteria concentrate	, starter cultures for fermented products a	and fermentation products	
	Yeast culture	Saccharomyces cerevisiae	Strains containing Amylase gene from Saccharomyces diastaticus	beer
2	Enzyme agents for the food in	ndustry, food additives		
	Hemicellulose	Aspergillus oryzae Aspergillus niger Bacillus subtilis Humicola insolens Trichoderma reesei	Aspergillus oryzae, contanign Hemicellulose gene and endo-1,4-a-xylanase from Aspergillus aculeatus Aspergillus oryzae, contanign Hemicellulose gene and endo-1,4- a-xylanase from Thermomyces lanuginosus	
	Xylanase	Aspergillus niger Aspergillus oryzae B. amyloliqueefaciens or subtilis B. licheniformis Trichoderma reesei or longibrachiatum Bacillus subtilis	Fusarium venetatum with the gene of Thermomyces lanuginosum Aspergillus oryzae d-Thermomyces lanuginosus Bacillus subtilis with the gene, coding xylanase from Bacillus subtilis Trichoderma reesei d- Trichoderma reesei Aspergillus niger var. awamori d-Aspergillus var. Aspergillus niger with the gene, coding production of endo-1,4- xylanase from Aspergillus niger	bakery products
	Monoacylglycerol lipase	Penicillium camembertii	-	

GMM and Food Products Based on GMM, Allowed to be Used in Food Industry in the World

	Aspergillus oryzae Aspergillus niger Rhizopus arrhizus Rhizomucor miehei Rhizophus niveus Rhizophus oryzae	Aspergillus oryzae, containing triacylglycerol lipase gene from Humicola lanuginose Aspergillus oryzae d- Aspergillus oryzae Aspergillus oryzae d- Thermomyces lanuginosus	
Lactase (U-galactosidase)	Aspergillus niger Aspergillus oryzae Saccharomyces fragilis Saccharomyces lactis		
Invertase	Saccharomyces cerevisiae		Starches, syrups
Hemicellulose (multicomponent enzyme)	Aspergillus niger Bacillus subtilis Trichoderma reesei		
Inulinase	Aspergillus niger		
Maltogenase (maltogenic amylase)	B. subtilis	B. subtilis with B. stearothermophilus gene, B. subtilis with B. brevis gene	
	 Bacillus licheniformis Aspergillus niger Bacillus amyloliquefaciens Microbacterium imperiale Rhizopus oryzae Thermococcales Pseudomonas fluorescens 	1. B. subtilis with alpha-amylase gene from B. megaterium, included in plasmid pCPC800 2. B. subtilis with alpha-amylase gene from B. stearothermophilus, included in plasmid pCPC720 Bacillus licheniformis d- Bacillus licheniformis Aspergillus niger d- Aspergillus niger Bacillus licheniformis with the gene, coding alpha-amylase from B. stearothermophilus Bacillus amyloliquefaciens with the gene, coding alpha-amylase from Bacillus amyloliquefaciens Bacillus amyloliquefaciens/ Bacillus subtilis Pseudomonas fluorescens with the gene, coding alpha-amylase from Thermococcales	bakery products, beverages, starches

Dextranase	Chaetomium erraticum Chaetomium gracile		
Fructosyltransferase	Aspergillus japonicus		
Glycogenase	B. stearothermophilus	-	bakery products
Aminoglucosidase	Aspergillus niger	Aspergillus niger, bearing the gene coding aminoglucosidase	bakery products
Carbohydrase	Aspergillus niger, var. Aspergillus awamori, var. Bacillus licheniformis Rhizopus oryzae, var. Saccharomyces spp.	-	
Catalase	Micrococcus lysodeikticus Aspergillus niger	Aspergillus niger - donor organism	cheeses

Cellulase	Penicillium funiculosum Trichoderma reesei Trichoderma viride Aspergillus niger Aspergillus aculeatus	Trichoderma reesei-d- Trichoderma reesei	
Chymosin A (rennin) for cheesemaking		E. coli K-12 IA 198, containing chemically synthesized coding DNA sequence identical to the bovine prochymosin A gene, included in vector PPFZ-87A	cheeses
Chymosin A for cheesemaking		Aspergillus niger var. awamori, containing bovine prochymosin gene (NRRZ3112) Vector - pgAMpR	cheeses
Chymosin B for cheesemaking	Kluyveromyces lactis	Kluyveromyces lactis (Dombr. Van del Walt) with bovine prochymosin gene, amplified on plasmid PUC18	cheeses
Chymosin B for cheesemaking		Trichoderma reesei, containing bovine prochymosin B gene	cheeses
B-glycanase	Aspergillus niger var. Trichoderma harzianum Trichoderma reesei or longibrachiatum Talaromyces emersonii B. subtilis or amyloliquefaciences Aspergillus aculeatus Disporotrichum dimorimorphosporum	Organism - donor Trichoderma sp. Bacillus sp. B. amyloliquefaciencis d- B. amyloliquefaciencis	
Xylose isomerase	B. coagulans, Streptomyces olivaceous, Streptomyces rubiginosus, Streptomyces violaceoniger		

Glucose oxidase and catalase	Aspergillus niger	Aspergillus niger d- Aspergillus niger	
Hemicellulose	Aspergillus niger	-	
Lipase	Aspergillus oryzae Rhizopus oryzae Rhizopus niveus Penicillium roquefortii	Organism - donor Candida antarctica Rhizomucor spp. and Thermomyces spp. Aspergillus niger with lipase gene from	fat-and-oil products, triglycerides alcohol products,
	Penicillium camembertii	Candida antarctica Aspergillus oryzae with lipase gene from Rhizomucor miehei	bakery products
	Mucor javanicus Rhizomucor miehei	Aspergillus oryzae with lipase gene from Fusarium oxysporum	
	Fusarium oxysporum Termomyces lanuginosus	Aspergillus oryzae with the gene, coding lipase from Termomyces lanuginosus	
Mixture of carboaminhydrase and protease	B. subtilis var.	-	
Pectinase	Aspergillus niger Rhizopus oryzae Aspergillus aculeatus Aspergillus oryzae	Aspergillus oryzae d- Aspergillus aculeatus Aspergillus niger d- Aspergillus niger	
Protease	Aspergillus niger Aspergillus oryzae. Aspergillus melleus Streptomyces fradias Bacillus licheniformis. B. amyloliquefaciens Bacillus subtilis Bacillus thermoprotyolyticus Bacillus stearothermophilus Rhizopus niveus Rhizopus oryzae	Organism - donor Rhizomucor Bacillus subtilis d- B. amyloliquefaciens Bacillus amyloliquefaciens d-B. amyloliquefaciens Aspergillus oryzae d- Rhizomucor miehei Bacillus amyloliquefaciens plasmid pUBnpr2, bearing neutral protease gene as a part of vector DNA pUB110 from Bacillus amyloliquefaciens	Aspartame

Pullulanase	Klebsiella alrogenes Bacillus acidopullulyticus Bacillus naganoensis Bacillus circulans Klebsiella planticola	Bacillus licheniformis d- Bacillus deramificans Bacillus subtilis d- Bacillus naganoensis Klebsiella planticola d- Klebsiella planticola	
Chymosin (rennin) for cheesemaking	B. cereus, Mucor miehei, Mucor pysillus, Rhizomucor miehei, Rhizomucor susillus B. mesentericus. Cryphonectria parasitica Aspergillus oryzae	Cryphonectria parasitica d- Cryphonectria parasitica Aspergillus oryzae d- Rhizomucor miehei	cheeses
Alpha- amylase+gluco-amylase	Aspergillus oryzae	-	starch Industry products
 Beta-amylase	Aspergillus niger	-	
Alpha- acetolactate decarboxylase		B. subtilus UW-193 with alpha-decarboxylase gene from B. brevis on plasmid PUW 235	
Alpha- acetoacetate decarboxylase		B. subtilis with alpha-decarboxylase gene from B. brevis	
Hemicellulose	Aspergillus niger B. amyloliqueefaciens or subtilis	Organism - donor of Bacillus spp.	
Lactase	Aspergillus niger Aspergillus oryzae Saccharomyces spp. Candida pseudotropicalis Kluyveromyces marxianus var. lactis	Aspergillus oryzae with the gene of Myceliophthora thermophilus Kluyveromyces marxianus var. lactis d-Kluyveromyces marxianus var. lactis Aspergillus oryzae d- Aspergillus oryzae	

Xylanase	Aspergillus niger Aspergillus oryzae B. amyloliquefaciens or subtilis B. licheniformis Trichoderma reesei or longibrachiatum	Fusarium venetatum with the gene of Thermomyces lanuginosum Aspergillus oryzae d- Thermomyces lanuginosus Bacillus subtilis d- Bacillus subtilis Trichoderma reesei d- Trichoderma reesei Aspergillus niger var. awamori d-Aspergillus var. Aspergillus niger d- Aspergillus niger	
Invertase	Saccharomyces cerevisiae	-	
Glucoamylase	Lactobacillus amylovorus Aspergillus niger Aspergillus oryzae Rhizopus oryzae Rhizopus niveus Rhizopus delemar Penicillium funiculosum		
Aminopeptidase	Trichoderma reesei or longibrachiatum Aspergillus niger Aspergillus oryzae	Organism - donor Aspergillus spp.	
Arabinofuranosidase	Aspergillus niger	Organism - donor of Aspergillus niger	
Cyclodextrin glycosyltransferase	B. licheniformis	Organism - donor of Thermoanaerobacter	
Glucoamylase	Aspergillus niger	Organism - donor of Aspergillus spp.	

Glucose isomerase	Streptomyces livadans Streptomyces rubiginosus Actinoplanes missouriensis Streptomyces olivochromogenes Streptomyces murimus Streptomyces olivaceus Microbacterium arborescens Actinoplane missouriensis Bacillus coagulans	Streptomyces rubiginosus d- Streptomyces rubiginosus	
Hemicellulose	Aspergillus niger Trichoderma reesei Aspergillus aculeatus Aspergillus foetidus B. amyloliquefaciens or subtilis	Organism - donor of Bacillus spp.	
Malt amylase	B. amyloliquefaciens or subtilis	Organism - donor of Bacillus spp.	
Pektin liase	Aspergillus niger Trichoderma reesei or longibrachiatum	Organism - donor of Aspergillus spp.	
Pectinesterase	Trichoderma reesei or longibrachiatum Aspergillus aculeatus	Organism - donor of Aspergillus spp. Aspergillus oryzae with the gene, coding pectinesterase from Aspergillus aculeatus	
Phospholipase A	Trichoderma reesei or longibrachiatum	Organism - donor of Aspergillus spp.	
Phospholipase B	Trichoderma reesei or longibrachiatum	Organism - donor of Aspergillus spp.	
Phospholipase A2		Streptomyces violaceruber with phospholipase A2 gene of the same genera	Soya and egg yolk lectin hydrolysis

Phospholipase A2	Aspergillus niger	Aspergillus niger PLA-54 with the gene, coding phospholipase of pig pancreas from Aspergillus niger GAM-53 and DNA of pig pancreas Aspergillus niger PLA-54 with the gene, producing phospholipase A2 from Aspergillus niger GAM-53 (NRRL3122 Aspergillus niger)	bakery products, phospholipide hydrolysis
Phospholipase C		Pichia pastoris C with heterogeneous gene of phospholipase C	vegetable oils
Polygalactouronidase	Trichoderma reesei or longibrachiatum Aspergillus niger	Aspergillus niger EPG-102 with the gene, producing polygalactouronidase from Aspergillus niger GAM-53 from NRRL3122 Aspergillus niger	bakery products
Pullulanase	Bacillus licheniformis Bacillus subtilis Bacillus deramificans 18-IN T13 13 Klebsiella planticola	Organism - donor Bacillus spp. Klebsiella spp. B. subtilis with pullulanase gene from B. acidopullulyticus A164delta5 Bacillus subtilis with pullulanase gene Bacillus deramificans 18-INT13	beer
Asparaginase	Aspergillus niger	Aspergillus niger d- Aspergillus niger	Lowering of the level of asparagine in bread, cereal and potato products
Asparaginase	Aspergillus oryzae	A. oryzae with asparaginase gene from A. oryzae	
Urea amidolyase		Saccharomyces cerevisiae ECMo01 with an increased expression of urea amidolyase	Lowering of ethyl carbamate in fermented beverages

Glutaminase	Bacillus subtilis		
B-D-glucosidase	Aspergillus niger Trichoderma reesei		
Urease	Lactobacillus fermentum		
alpha-galactosidase	Morteirella vinaceae var. raffinoseutilizer	-	sugar from sugar beet
Feedstuff, micronutrients and	food additives		
Riboflavin	Streptomyces griseus	B. subtilus with excess production of riboflavin	BAA to food, enriched products
Beta-carotene		Blakeslea trispora, received by means of co-fermentation of two strains of fungus(+) and (-)	BAA to food, enriched products
Nizin (preserving agent E-	Lactococcus lactis subs.	Lactococcus lactis subs.	cheese spreads,
234)	lactis	lactis with the gene, coding stability to bacteriophages	canned vegetables
Lycopene	Blakeslea trispora	Recombinant strain	BAA to food, enriched products
Citric acid	Candida guilliermondii Candida lipolytica Aspergillus niger	Recombinant strain	

Microorganisms Allowed and Proposed to be Used in Food Industry

Microorganisms of Natural Origin(Groups, Genera, Species)	Genetically Modified Analogues
Mesophilic	Lactococcus
Lactococcus lactis subsp. lactis	 Bacteria of the genus Lactococcus, containing DNA sequence of Lactococcus, coding: 1. resistance to bacteriophages, 2. diacetyl production, 3. beta-galactosidase production, 4. aminopeptidase production, 5. peptidases production by genes of Propionibacterium shermani, 6. alanine racemase production,
Lactococcus lactis subsp. cremoris	-
Lactococcus lactis subsp. lactis biovar diacetilactis	-
Leuc	onostocs
Leuconostoc lactis	-
Leuconostoc mesenteroides subsp. dextranicum	
Leuconostoc mesenteroides subsp.	-
	ic streptococci
Streptococcus salivarius	-
Streptococcus thermophilus	S. thermophilus, possessing the gene of endoplasmic reticulum synthesis; S. thermophilus, possessing the gene of chloramphenicol-acetyltransferase
Bacteria of	the genus Lactobacillus
Lactobacillus acidophilus	Strains, possessing plasmids from Lactobacillus acidophilus, coding production of bacteriocins
Lactobacillus alimentarius	-
Lactobacillus amylovorus	Organism - donor of Aspergillus spp.
Lactobacillus bavaricus	-
Lactobacillus brevis	-
Lactobacillus buchneri	-

	<u> </u>	
Lactobacillus	casei	Strains, possessing the genes from Lactobacillus spp., controlling stability of starter cultures to low pH value
Lactobacillus	casei	 L. casei with the gene of beta- galactosidase E. coli L. casei with Alkoholdehydrogenase gene Zymomonas mobilis L. casei with beta-lactamase gene E. coli L. casei with cholesterol oxidase gene Streptomyces spp.
Lactobacillus GG	casei, subsp. rhamnosus	-
Lactobacillus	coryneformis	
Lactobacillus	curvatus	Recombinant strain for biopreservation of meat
Lactobacillus	crispatus	
Lactobacillus delbrueckii	delbruecki subsp.	-
Lactobacillus Bulgaricus	delbrueckii subsp.	-
Lactobacillus Lactis	delbrueckii subsp.	-
Lactobacillus	farciminis	-
Lactobacillus	fermentum	-
Lactobacillus		 L. gasseri with msd gene from E. coli for production of superoxide dismutase L. gasseri with temperate phage introduced into the chromosome Strains containing endonuclease gene from Clostridium thermocellum
Lactobacillus	johnsonii	Strains containing endonuclease gene from Clostridium thermocellum
Lactobacillus	helveticus	Strains of the same genera with endopeptidase production for reducing the bitter taste in the process of cheese ripening
Lactobacillus fructivorans)	heterohiochi (= L.	-
Lactobacillus	hilgardii	-
Lactobacillus subsp. lactis)		Strains containing genes for accelerated ripening of cheeses from Lactobacillus spp.

Lactobacillus sakei subsp. sakei	Strain with production of bacteriocin
	saccacin
Lactobacillus sakei subsp. carnosus (= L. curvatus)	Strains containing Catalase gene from Lactobacillus sakei
Lactobacillus salivarius	-
Lactobacillus sanfrancisco (= L. sanfranciscensis)	-
Lactobacillus sanfranciscensis (= L. sanfrancisco)	-
Lactobacillus kefirgranum	
Lactobacillus kefiri	-
Lactobacillus lactis	-
Lactobacillus paracasei	-
Lactobacillus pentosus	-
Lactobacillus plantarum	<pre>Strains of the same genera with: 1. Deletion of the gene, coding conjugation hydrolysis of bile acids 2. With alpha amylase gene from L. amylovorus 3. With deletion of the gene, coding alanine racemase 4. Producing bacteriocins</pre>
Lactobacillus reuteri	Strains containing Xylanase gene from Neocallimastix patriciarum, beta- glucanase gene from Fibrobacter succinogenes, Cellulase gene from Piromyces rhizinflata
Lactobacillus rhamnosus	-
Staphylococcus, Pedi	ococci, Brevibacteria:
Staphylococcus carnosus	
Staphylococcus carnosus subsp. carnosus	-
Staphylococcus carnosus subsp. utilis (= S. carnosus)	3 -
Staphylococcus equorum	-
Staphylococcus sciuri	-
Staphylococcus xylosus	-
Staphylococcus vitulinus (= S. pulveri)	-

Brevibacterium linens	-
Pediococcus acidilactici	-
Pediococcus pentosaceus	-
Coryne	ebacterium
Corymbacterium ammoniagenes	-
Corynebacterium flavescens	_
	erococcus
Enterococcus durans	-
Enterococcus faecium	-
Arth	nrobacter
Arthrobacter nicotianae	-
Acet	cobacter
Acetobacter xylinum	_
Acetobacter suboxydans	-
Acetobacter aceti	-
Propio	Dnibacterium
Propionibacterium acidipropionici	-
Propionibacterium arabinosum	-
Propionibacterium freudenreichii subsp. freudenreichii	Recombinant strain of Propionibacterium freudenreichii with increased production of propionicin T1
Propionibacterium freudenreichii subsp. shermanii	_
Propionibacterium thoenii	-
Bifidobacterium	
Bifidobacterium adolescentis	-
Bifidobacterium animalis	-
Bifidobacterium bifidum	-
Bifidobacterium breve	_
Bifidobacterium infantis	-
Bifidobacterium lactis = (B. animalis)	-
Bifidobacterium longum <**>	Strains with vector from B. longum- Escherichia coli based on replicons

Bifidobacterium pseudolongum Bacillus B. cereus Organism – donor of genes Bacillus coagulans for (= obsolete Lactobacillus production of bacteriocin coagulin sporogenes) Bacillus licheniformis Organism - donor of Thermoanaerobacter B. mesentericus B. subtilis or amyloliquefaciences Organism – donor B. amyloliquefaciences B. amyloliquefaciences with the gene of Subtilisin from B. subtilis Bacillus amyloliquefaciencs Bacillus amyloliquefaciencs 1. with the gene, coding alpha amylase from Bacillus amyloliquefaciencs 2. With neutral protease gene from Bacillus amyloliquefaciencs Bacillus licheniformis в. licheniformis with alpha-amylase gene from B. stearothermophilus Bacillus licheniformis B. licheniformis with thermoresistant alpha-amylase gene from в. licheniformis Bacillus licheniformis Bacillus licheniformis with the gene, coding pullulanase from Bacillus deramificans B. subtilis в. subtilus UW-193 with alphadecarboxylase gene from B. brevis ... on plasmid PUW 235 B. subtilis B. subtilis with alpha-decarboxylase gene from B. brevis B. subtilis Bacillus subtilis with the gene, coding pullulanase from Bacillus deramificans B. subtilis B. subtilus with excess production of riboflavin B. subtilis в. subtilis with the gene B stearothermophilus, B. subtilis with the gene B. brevis Bacillus subtilis B. subtilis with pullulanase gene from B. acidopullulyticus B. subtilis item F B. subtilis with alpha-amylase gene from B. megaterium, included in plasmid pCPC800 2. B. subtilis with alpha-amylase gene from B. stearothermophilus, included in plasmid pCPC72 0

B. stearothermophilus	-	
B. thermortotyolyticus	-	
Micrococcus		
Micrococcus varians (= Kucuria varians)	-	
Micrococcus lysodeicticus	-	
E. coli		
E. coli	E. coli K-12 IA 198, containing chemically synthesized coding DNA sequence identical to the bovine prochymosin A gene, included in vector PPFZ-87A	
	siella	
Klebsiella alrogenes	-	
Klebsiella planticola	Klebsiella spp.	
Thermococcales	Pseudomonas fluorescens with alpha- amylase gene	
Filamentous fu	ngi (moulds)	
Fus	sarium	
Fusarium solani	-	
Fusarium venetatum	Fusarium venetatum with Thermomyces lanuginosum gene Organism - donor of Aspergillus sp. Thermomyces sp. Trichoderma spp., Bacillus spp.	
Aspe	rgillus	
Aspergillus niger	-	
Aspergillus niger	Aspergillus niger var. awamori, containing bovine prochymosin gene (NRRZ3112) Vector- pgAMpR A. niger with lipase gene from Candida antarctica Aspergillus niger, bearing the gene coding aminoglucosidase of the strain of the same genera Aspergillus niger 1. With Aspergillus niger genes, coding lysophospholipase 2. With Aspergillus niger genes, coding production of endo-1,4- xylanase 3. with acetoamylase genes from A. nidulans 4. with genes, coding phospholipase of pig pancreas from Aspergillus niger 5. with Aspergillus niger genes, coding production of	

B. amyloliquefaciens or subtilis Aspergillus awamori	endopolygalacturonase 6. with Aspergillus niger genes, coding production of asparaginase 7. with Aspergillus niger genes, coding production of pectin methylesterase 8. with Aspergillus niger genes, coding production of glucoamylase Organism - donor of Bacillus spp.
Aspergillus oryzae	<pre>Strains of Aspergillus oryzae possessing the following genes: 1. hemicellulase-xylanase from Aspergillus aculeatus and Thermomycel lanuginosus 2. triacylglycerol lipase from Humicol lanuginosa 3. lactase from Myceliophthor thermophilus 4. phospholipase A1 from Fusarium venetatum 5. glucose oxidase from Aspergillu niger 6. lipase from Thermomyces lanuginosu and Fusarium oxysporum 7. proteinase aspartat from Rhizomuco miehei 8. exopeptidase from Aspergillus sojae</pre>
Aspergillus oryzae	A. oryzae with asparaginase gene fro A. oryzae
Aspergillus oryzae var.	Organism - donor of Candida sp. Rhizomucor sp. Thermomyces sp.
Per	nicillium
Penicillium album (= P. caseicolu P.candidum, or P. camembertii) Penicillium camembertii (= P. caseicolum, P. candidum, or P. album)	im , -
Penicillium candidum (= P. caseicolum, P. camembertii, P. album)	
Penicillium funiculosum	-
Penicillium roquefortii	-
Vert	zicillium
Verticillium lecanii	-
Tr	ichoderma
Trichoderma reesei or	Organism - donor of the same species

longibrachiatum	
Trichoderma reesei	T. reesei, possessing boving prochymosin B gene
Trichoderma harzianum	Organism - donor
Tric	Chothecium
Trichothecium domesticum	-
Hu	micola
Humicola insolens	_
Rh	izopus
Rhizopus arrhizus	_
Rhizophus niveus	
Rhizophus oryzae	
Rhizopus oryzae, var. Sacharomyces	_
spp.	
	Mucor
Mucor miehei	-
Mucor pusillus	-
Mucor lusitanicus Institute of Microbiology, Russian Academy of Sciences (INMI)	_
Rh	izomucor
Rhizomucor miehei	_
Rhizomucor pusillus	-
Stre	eptomyces
Streptomyces olivaceous	-
Streptomyces rubiginosus	Organism - donor of Streptomyces spp. and Acinoplanes spp.
Streptomyces rubiginosus	Streptomyces rubiginosus with the gene producing immobilized glucose isomerase from Streptomyces rubiginosus
Streptomyces violaceoniger	S. violaceoniger with the gene received from the same genera, coding phospholipase A2
Streptomyces fradias	
Streptomyces livadans	Organism - donor of Streptomyces spp. Acinoplanes spp.
Acti	noplanes

Actinoplanes missiouriensis	-
	-
Bl	akeslea
Blakeslea trispora	Blakeslea trispora, obtained by means of co-fermentation of two strains of fungus (+) and (-)
Yе	east
Sacci	haromyces
Saccharomyces bayanus	-
Saccharomyces cerevisiae	Strains containing Amylase gene from Saccharomyces diastaticus
Saccharomyces cerevisiae	S. cerevisieae Y-1986 with alpha- amylase gene from B. licheniformis
Saccharomyces cerevisiae	S. cerevisiae ECMo01 with an increased expression of urea amidolyase
Saccharomyces cerevisiae subsp. boulardii	-
Saccharomyces florentius	-
Saccharomyces fragilis	-
Saccharomyces lactis	-
Saccharomyces unisporus	-
Kluy	veromyces
Kluyveromyces fragilis (=	-
Kluyveromyces marxianus)	
Kluyveromyces lactis	Kluyvenomyces lactis (Dombr. Van del Walt) with bovine prochymosin gene, amplified on plasmid PUC18 for enzymatic agent production
Kluyveromyces marxianus (= Kluyveromyces fragilis)	-
Hansenula	
Hansenula mrakii (= Williopsis mrakii)	-
Ca	andida
Candida famata	-
Candida kefyr	-
(= C. pseudotropicalis)	
Candida friedricchi	-

Candida holmii	-
Candida krusei	-
Candida pseudotropicalis (= C. kefyr)	-
Candida utilis	-
Candida valida	-
Debaryomyces	
Debaryomyces hansenii	-
Geotrichum	
Geotrichum candidum	-
Williopsis	
Williopsis mrakii (= Hansenula mrakii)	-
Pichia	
Pichia pastoris	-
Carnobacterium maltaromaticum	-
Morteirella vinaceae var. raffinoseutilizer	-
Pseudomonas fluorescens	Pseudomonas fluorescens with alpha- amylase gene from Thermococcales

'-' - no analogues.

5.5. The global production volumes, the use in food industry and import of GMM and GMA based products into the Russian Federation shall be taken into consideration when carrying out examinations. The list of such products is given in descending order:

a) based on GMM:

enzymatic agents;

- GMM strains-producers of food substances and food additives for cheesemaking, starch industry, bread-making, production of beverages and strong alcohol products;

- GMM strains of yeast for brewing, winemaking, strong alcohol production;
 - b) based on GMA:
 - starters, starter, probiotic, yeast cultures used as raw material;

- cheeses, fermented milk and probiotic products (BAA to food), fermented sausages and meat products;

- beer, kvas and fermentation beverages;
- acid cream butter, margarine, mayonnaise;
- fermented soy-based products;
- fermented products from fruits and vegetables;
- enzymatic agents;
- strains-producers of food substances and food additives;
- products from yeast and sour dough;
- protein-based products on the basis of yeast and other inactivated microbial biomass;
- modified starches obtained by means of microbial fermentation;
- clarified fruit and citrus juices, grape and fruit wines.

5.6. Sanitary and epidemiological examination of food products from/ or with the use of GMM and GMA provides for:

a) examination of accompanying documentation;

b) laboratory control over products samples regarding the presence or absence of GMM, GMM selective markers (nucleotide sequences used as a label for genetic manipulation as part of genetic structures) and / or over target genes of GMM, as well as products of expression of target genes of GMM or GMA. Laboratory control is not required subject to absolute compliance with established requirements based on data on examination of the supporting documents;

c) additional laboratory control over products samples (if required) regarding the presence of any other signs that indicate the presence in food products of GMM (GMA) with modified properties due to instability of GMM and / or unwanted recombinations of genes, and unfavourable to consumers (transmissible antibiotic resistance, pathogenic factors of GMM or GMA; plasmid DNA of GMA; presence of toxicity, genotoxicity, residual quantities of antibiotics, mycotoxins and other foreign substances in food products derived from / or with the use of GMM and GMA).

5.6.1. Further examination of food products shall be carried out in case any discrepancies appear between the results of laboratory examinations and information provided in the documents; in case it is known about some deviations in the technological process, complaints, and reported disease caused by food products with GMM and GMA. In such cases samples of food products shall be sent to research institutes authorised for carrying out the research and testing centres that are accredited in this field.

5.6.2. In case additional examinations are requested most likely potential risk factors of GMM in food products (Table 7) shall be taken into account, which are connected with the peculiarities of specific genera and species of parental strains of microorganisms.

5.6.3. Laboratory control of GMM (GMA) and samples of food products derived from / or with the use of GMM (GMA) shall be based on a specially developed methodology and testing algorithms by means of microbiological, molecular-genetic, hygienic examinations in accordance with the approved methods.

5.6.4. Sanitary and epidemiological examination of food products from GMM and GMA released from technological micfroflora, and not containing protein or DNA, for the purpose of stating the presence or absence of DNA, GMM or GMA, shall be carried out by means of laboratory examinations (molecular and genetic tests) on the basis of submitted documentation; if necessary a request for strains-producers and reference-strains of GMM or GMA can be made.

5.7. Measures for performing state sanitary and epidemiological surveillance and control over food products derived from / or with the use of GMM or GMA when importing from abroad, shall include:

5.7.1. An official of the controlling authority shall verify whether the owner of the cargo (freight carrier) possesses the accompanying documentation, which should include:

- Certificate of state registration of the products or sanitary-epidemiological conclusion on its compliance with the sanitary rules;

- Security certificate of the country of origin;

- Declaration on the presence of GMM in the batch of food products;

- label on consumer packaging indicating the presence of information about the content of GMM in the given type of product taking into account Clause 2.18 of the present Sanitary Rules.

5.7.2. In case of identification of a breach of sanitary legislation, which threatens the appearance and spread of infectious diseases and mass non-infectious diseases (poisoning), Chief State Sanitary Inspector (Deputy Chief State Sanitary Inspector) is entitled to take measures, as provided for by law, to suspend the import of products into the territory of the Russian Federation in case such products do not have sanitary-epidemiological conclusion on compliance thereof with sanitary rules or not registered in the manner provided for by the legislation of the Russian Federation.

5.7.3. Sanitary and epidemiological examination of food products produced from /or with the use of GMM and GMA when they are imported from abroad shall be carried out in the established manner.

5.7.4. In case of import of food products into the territory of the Russian Federation, the scope of application and types of which are provided for in Table 1, selective laboratory examinations shall be carried out in order to identify the presence or absence of GMM (and / or target genes of GMM, products of expression of target genes of GMM, selective markers of GMM), and if necessary (Clause 5.6.1) - examination of the presence of adverse properties for the consumers of GMM or GMA, isolated from the products (for group III products - in the products themselves or with reference strains of their producers).

5.8. In case of production of food products derived from / or with the use of GMM and GMA the presence of regulatory and technical documentation for such products approved in the established manner shall be verified.

5.8.1. For manufacturing and processing of food products derived from or with the use of GMM and GMA, only food raw materials and food products can be used that have passed state registration or sanitary-epidemiological examination for compliance with sanitary rules and which are included into the State Register and the Register of Sanitary-Epidemiological Opinions

5.8.2. Sanitary and epidemiological examination of food products derived from / or with the use of GMM and GMA shall be carried out in the established manner at the process of manufacturing.

5.8.3. State sanitary and epidemiological control during the process of manufacturing of food products, derived from / or with the use of GMM and GMA ,shall be carried out be means of:

a) examination of technological instructions for production (hereinafter referred to as the TI), which establish requirements for the processes of manufacturing, inspection, packaging, marking of products at a particular plant, including drafts of label prints on consumer packagings (package inserts, instructions for use) as well as draft production plans with production control programme;

b) selective laboratory examinations of samples of raw materials and foodstuffs from the pilot batches of products;

c) examination of production conditions (at plants manufacturing viable GMM or GMA or using viable GMM or GMA in the technological process of food production).

5.8.4. Presence of requirements and parameters governing the use of GMM or GMA in the technological process shall be controlled in the process of examination of TI for a particular type of food product:

a) in the section 'Technical Requirements' - information about the presence or absence in the raw material and components of this type of product, their generic and specific belonging;

b) in the section 'Methods of Control' - a description of methods of analysis (references to approved methods) of microorganisms of controlled technological microflora which should contain 1 g of food products and methods of identification of generic and specific belonging (in cases provided for by the regulatory and technical documentation - the lack of living cells of strains-producers); in products derived from / or with the use of GMM - the lack of genes of transmissible antibiotic resistance (selective markers of antibiotic resistance); if necessary - the target genes of GMM, products of expression of target genes of GMM, as well as other methods of analysis, allowing to confirm the type and properties of GMM or GMA contained in the product;

c) in the section "Marking" and on the label of consumer packaging - information about the relevance of the product and GMM and information for consumers about the presence of GMM in the given type of product, taking into account Clause 2.18 of this Sanitary Rules;

d) regarding production preparation - description of the production control system, including incoming inspection of raw materials and components (presence of sanitary-epidemiological conclusions and other documents confirming their relation to the GMM and GMA), laboratory control (regarding the absence or presence of GMM (GMA) and / or selective markers of GMM, if necessary - target genes of GMM, products of expression of target genes of GMM); at plants producing strains-producers of food substances - additional control over production conditions, control over working area air, surfaces and equipment - for the presence of living cells of GMM (GMA) producers.

ConsultantPlus: note:

The official text of the document obviously contains a misprint - Clause 5.7 has no Sub-clauses. Apparently Sub-clause 'b' of Clause 5.6 is meant.

5.8.5. While monitoring the production process food samples shall be selected from the pilot batch and laboratory test shall be carried out for determination of the presence of GMM and / or selective markers of GMM, and if necessary - additional tests of products and raw materials in accordance with Clause 5.7 'b'. 5.8.6. Production examination shall be carried out by means of:

a) conformity assessment of business units (laboratories, starter shops, shops or sites), working with living fermentation, starter, probiotic, yeast cultures and strains-producers of food substances and food additives, with the requirements of sanitary rules for the corresponding industries and, if necessary (at plants, generating strains-producers) - with the requirements of sanitary rules for safety of working with microorganisms and for procedures of registration, storage, transfer and transportation of microorganisms;

b) examination of programme of production control of products performed at the manufacturing plant monitoring control of GMO and GMA regarding meeting the requirements of sanitary rules for organization and exercising production control over compliance with sanitary rules and implementation of sanitary and epidemic (prevention) activities;

c) examination of documentation for raw materials and components, food products, which are in production and expedition, regarding the records about the presence of GMM in technical specifications for the ingredient composition, in label prints and in quality and safety certificate for finished product.

5.9. When carrying out state sanitary and epidemiological control over food products derived from / or with the use of GMM and GMA, during the processes of production, storage, transportation and sale it is required to check the presence of regulatory and technical documents for specific types of products (standards, technical specifications, composition, specifications for imported products), certificates of state registration and sanitary-epidemiological conclusions on conformity with sanitary rules, issued in the established manner.

5.9.1. The sanitary and epidemiological examination of food products derived from / or with the use of GMM and GMA, during the processes of production, storage, transportation and sale includes selective laboratory tests for identification of the presence in the product of GMM and / or selective markers of GMM, and if necessary - additional product and material testing in accordance with Clause 5.6 'b'.

5.9.2. State sanitary and epidemiological control includes examination of documents for raw materials and components, food products, which are located at the site under control and intended for storage, transportation and sale, regarding the information about the presence of GMM in the technical documents, on the label, as well as in the quality and safety certificate for the batch of finished products.

5.9.3. State sanitary and epidemiological control over organisation and implementation of production control of GMM and GMA at plants manufacturing or using GMM or GMA in food production shall be carried out in accordance with the requirements of Sub-clauses 5.8.4 'd' and 5.8.6 'b'

5.10. Methodology of sanitary-epidemiological evaluation of food products derived from / or with the use of GMM and GMA when performing control of circulation thereof in the territory of the Russian Federation includes:

5.10.1. Collection of samples of food products for laboratory testing for the purpose of identification of presence of GMM and GMA, performed at the entry stage for import, development and production start-up, manufacturing, transportation and sale in accordance with the established procedures and standards for sampling, as specified in Table 4 or in the regulatory and technical documents for products depending on the species thereof.
Standards for Sampling of Food Products for Examination for the Presence of GMM and GMA

Product Name	Mass of Samples for Microbiological and Molecular and Genetic Examinations
Dairy products:	
Yoghurts and liquid fermented milk products(kefir, kumis, etc.) <*> and heat treated products based on them	0.5 1
Sour cream of all kinds <*> and heat treated products based on it	0.5 kg or 2 packages with net mass of not less than 250 g
Cottage cheese, cottage cheese products <*> and heat treated products based on them	
Ice cream based on fermented milk <*>	0.5 kg or 2 packages of not less than 0.5 kg
Dry fermented milk products <*>	not less than 200 g
Acid cream cow butter <*>	300 g
	or 1 package of not less than 200 g
Rennet hard cheese, soft, brine, etc. <*>	
	1 package of not less than 200 g
Cheese spread	not less than 200 g
Milk sugar, milk whey proteins	not less than 200 g
Meat products:	
sausages and sausage products	400 g
Fermented meat products	500 g
Fish products, shellfish and algae and products based on them:	
canned and semi-preserved fish, including caviar	3 packages of up to 1 kg, 1 package of more than 1 kg, caviar - 125 g
Products of processing of molluscs, crustaceans, invertebrates, marine algae	
Beverages:	
wines, wine materials, cognac	0.5 1
beer(bottled, draught)	1 bottle or 0.5 1

- bottled	0.5 1
- draught	0.5 1
no-alcoholic beverages, juices	1 l (freshly squeezed - 200 ml)
Horticulture products:	
vegetables, fruits, mushrooms (pickled, marinated, fermented, soaked)	500 g
Bread, bakery and confectionery products:	
Bread, bakery and fancy bakery products	2 packages (not less than 500 g)
bakery products, bread-rings	Piece-products - 3 items (not less than 300 g)
flour confectionery products: biscuits, hardtackes, gingerbreads, waffles, crackers, flour east sweets, tortes, cakes, buns	500 g
Dily raw materials and fat products:	
nayonnaise	300 g or 1 package
margarine, confectionery, baking and cooking fats	200 g
BAA to food:	
on the basis of probiotic and lactic- acid microorganisms Dry	
Liquid	200 g
	200 ml
On the basis of food substances derived by biotechnological means (oligosaccharides, vitamins, etc.)	200 g
Products for children and dietary nutrition:	
Breastmilk substitutes, enriched with probiotics and fermented milk: Liquid	200 ml
	200 g
Dry	
Dry Complementary feeding products:	
	200 g
Complementary feeding products:	-

Powder-like Liquid	50 ml 200 ml
Bacteria starters, bacteria concentrate, biomass, probiotic and yeast cultures Liquid, including frozen Dry	200 ml 50 g
Starter cultures for production of meat products Liquid, including frozen dry Baking, beer, wine yeast	200 ml 50 g 100 g
Dry, pressed	
Flavourings:	
Yeast lysates	100 g
Fermented soy products (tofu, soy sauce, fermented drinks, ice cream, mayonnaise)	200 g, 100 ml, 0.5 kg, 0.5 kg, 300 ml
Starch products(corn steep liquors, starches, maltodextrins, syrups, treacle etc.)	100 g or not less than 1 package

<*> Including probiotic.

5.10.2. Selection, transportation and storage of food samples shall be carried out in accordance with the requirements of regulatory and technical documents for this type of product.

5.10.3. The following information contained in Clause 5.3 and Tables 2 and 3 shall be used for selection of food samples for study and examination of documents for the presence of GMM or GMA :

- about food products, admitted for circulation in the territory of the Russian Federation and included into the State Register and the Register of Sanitary-Epidemiological Opinions;

about GMM allowed to be used in food industry in the world;

- about the cultures of microorganisms used in food industry and potentially suitable for production of food products of their genetically modified analogues.

5.10.4. When determining the required scope and content of sanitary-epidemiological examination of food products produced from / or with the use of GMM and GMA it is necessary to be guided by the requirements of sanitary rules and make decisions with account of the origin of the product - whether it belongs to one of three groups depending on the state of its technological microflora or microorgaisms-producers (Table 1).

5.10.5. When choosing the tests and methods to be used for carrying out sanitary and epidemiological assessment of specific products, manufactured with the use of GMM or GMA, it is required to proceed from the tasks of the basic and additional (if required) laboratory control and include microbiological, molecular and genetic and hygienic examinations of such products.

5.10.6. The total number of microbiological and molecular and genetic testings is the main examination in the process of performing basic laboratory control.

5.10.7. When conducting the basic and additional laboratory examinations it is required to be guided by research schemes, specified in Tables 5 and 6.

Scheme of Studies of Food Products Based on GMM and GMA as Regard Control in Circulation

Group of	Controlled Indices and Tests <*>	I Group		II Group	III Group
Methods				Viable GM	Products Free from GM
		Starter and Strains- Producers	Products Ready for Use	Microflora	Microflora
Microbiologi	cal and immunological				
	Isolation of GMM (GMA), definition of quantifation in 1 g of the product and confirmation of species belonging compared with the reference-strain	+	+	-	-
	Absence of microorganisms-producers cells	-	-	+	+
	Presence of pathogenicity factors of strains including toxigenicity <*>	+	+	-	-
Molecular g					
		+	+	+	+
	Presence of selective markers (antibiotic resistance and others) in GMM (GMA), isolated from the product or in the product itself	+	+	÷	+ <*> in the presence of DNA and protein in the product
	Identification of products of expression of target genes GMM <*>	-	+	+	+ <*> -"-
	Identification of specific target genes GMM	-	+	+	+ <*> -"-

from t	id profile of GMM (GMA), isolated he product when compared with nce strain <*>	+	+	-	-
sanita to Sar	tors of sanitary and chemical and ry- microbiological security according PiN 2.3.2.1078-2001 and SanPiN 1293-03 <*>	+	+	+	+
Toxici	ty in tests in vitro and in vivo <*>	-/-	-/+	-/+	-/+
Ames	test for genotoxicity <*>	-/-	+/+	+/+	-/-

Note <*> - studies shall be appointed additionally.

Additional Types of Hygienic Testings for Examination of GMM (GMA)

Generic (Specific) Belonging of GMM in Food	Potential Risk Factor	Control Test
Mold fungi	Production of mycotoxins; antibiotics	Determination of mycotoxigenicity of GMM; genes encoding production of mycotoxins; determination of mycotoxins in food products derived from/ or with the use of GMM or GMA; definition of antibiotics in the product
Yeast- saccharomyces	Extra production of ethanol; allergenicity	Concentration of ethanol in the product; structural and mass distribution (protein profile) in the product or other tests confirming allergenicity
Streptomyces	Production of antibiotics	Determination of antibiotics in the product
Spore bacilli	Extra proteolytic activity; hemolytic activity; formation of antibiotic substances	Tests for acute toxicity of the product; hemolysis of erythrocytes under the influence of GMM; determination of antibiotics in the product
Enterococci	Formation of N-nitrosamines, histamine; antibiotic resistance	Determination of histamine, N-nitrosamines in the product; identification of resistance genes to vancomycin and rifampicinum
Lactobacilli heterofermentative	Excess formation of D (-) - lactic acid	Determination of concentration of D (-) - lactic acid in the product

5.10.8. Microbiological assessment is required for all types of food products derived from/ or with the use of GMM or GMA:

- containing GMM in the living state – fermented milk, probiotic products, unpasteurized fermented beverages and beer, ready meat products, prepared using starter cultures;

- containing GMM or GMA in inviable state (which were inactivated in the process of manufacturing (heat-treated fermented milk products, certain types of fermented beverages and pasteurized beer).

5.10.9. Microbiological assessment of GMM and GMA used for food production include:

- determination of quantity in 1 g of the product and its authenticity (confirmation of generic and species belonging by microbiological methods) of technological microflora;

- comparative analysis of phenotypic properties of GMM, of the strain-recipient or referent (control) strain;

- determination of pathogenic properties of GMM, the strain-recipient and the reference (control) strain (adhesiveness, invasiveness, virulence) in vitro and in vivo.

Food products, in which GMM (GMA) are completely inactivated, or from which they are released during the manufacturing process, are subject to microbiological assessment to confirm the absence of living cells of technological microflora or producer strain in the mass (volume) of the product established by scientific and technical documentation, but not less than in 1 g.

5.10.10. Microbiological assessment shall be carried out in accordance with the approved regulations and methodical documents.

5.10.11. Molecular genetic assessment of the food products derived from/ or with the use of GMM (GMA); GMM and GMA isolated from food products, shall be carried out in accordance with the approved methodical documents and shall include the following:

5.10.11.1. Identification of marker genes using PCR. As marker genes for each group of microorganisms (lactic acid, yeast, fungi, bacilli, etc.) shall be selected antibiotic resistance genes, vector sequences, selective markers, "ori" sequences, auxotrophic sequences most frequently used in the design of GMM.

5.10.11.2. Confirmation of generic and specific belonging by polymerase chain reaction (PCR) using 16S pRNA genes, and, if necessary - strain belonging by DNA-DNA hybridisation.

5.10.11.3.Identification of specific target genes of GMM shall be carried out: by PCR with appropriate primers and subsequent sequencing, restriction or hybridisation analysis of amplicon if the nucleotide sequence of the target gene and its regulatory element is known; by laboratory studies in the accredited research centre in accordance with the approved methodological documents, if information on the nucleotide composition of the target gene is not available.

5.10.11.4.Identification of the products of expression of the target gene shall be carried out by:

- determination of iRNA, transcribed from the target gene by reverse transcription - polymerase chain reaction (RT-PCR);

- determination of protein expressed by target gene of GMM - by electrophoretic separation in polyacrylamide gel (PAG - SDS);

- determination of the specificity of the protein expressed by GMM target gene - by immunoblot method.

5.10.11.5. Determination of the presence-absence of plasmids shall be carried out (with additional control).

5.10.12. Hygienic assessment of food products derived from/ or with the use of GMM or GMA shall be carried out with additional control including random checks of samples for compliance with the requirements of this Sanitary Rules for sanitary chemical and sanitary microbiological quality and safety or other examinations in accordance with Table 5 and 6.

5.10.13. Algorithms for carrying out of laboratory studies of food products samples include three options based on information on the belonging of the used microorganisms to GMA or GMM:

1) study of food products samples containing living microorganisms having genetically-modified analogues (GMA);

2) study of food products samples containing living genetically modified microorganisms (GMM);

3) study of food products samples containing non-viable genetically modified microorganisms and microorganisms having genetically modified analogues, as well as released from technological microflora.

5.10.14. Algorithm for laboratory studies of food products samples containing living GMA provides as follows:

5.10.14.1. The subjects of studies shall be samples of food products and raw materials of group I and II (Table 1) obtained with the use of or containing living GMA. Studies procedure is given in Table 7.

Test Samples	Study Contents	Study Results	Decision
Products of group I and II	1. Quantity determination of viable GMA of technological microflora in 1 g of the product		Positive decision on the study results
	specific belonging of microorganism	2. Generic or specific belonging of the microorganism has been confirmed according to the documentation submitted by the applicant	
		3. Absence of DNA of marker genes, plasmid DNA	
	food product safety indicators (Clause	4. Characteristics adverse for customers have not been detected	
Products of group I and II	1. Quantity determination of viable GMA of technological microflora in 1 g of the product	1. Quantity of microorganisms in the product does not correspond to a normilized or the level claimed by the manufacturer	Negative decision on the study results
	specific belonging of microorganism	 Generic or specific belonging of the microorganism has not been confirmed 	
		3. DNA of marker genes has been detected	
	food product safety indicators	4. Pathogenicity factors, plasmid DNA or non- compliance with the safety regulations of these Sanitary Rules have been detected	

5.10.15. Algorithm for laboratory study of food products samples containing living GMM (food products and raw materials of group I and II obtained with the use of or containing living GMM registerd in the Russian Federation) includes:

5.10.15.1. Quantity determination of viable GMM of technological microflora in 1 g of the product; if the detected quantities are not less than the normalized level or the level claimed by the manufacturer in the normative and technical documentation, go to Clause 5.10.15.2.

5.10.15.2. Detection and identification of living GMM in the studied sample by microbiological methods. If the detected GMM do not comply with the manufacturer's declaration, go to Clause 5.10.15.13, if the detected GMM correspond to the ones stated in the technical documentation on the product and the data sheet attached to the certificate of depositing, go to Clause 5.10.15.3, the reference strain from the depositary (culture collections) shall be studied in parallel with the test strain of GMM from the product sample.

5.10.15.4. It is required to make sure that the microorganism – donor of the target gene and the microorganism – recipient of that gene have been well studied, allowed and have long been used in food industry, if this is the case - go to Clause 5.10.15.5, if not - go to Clause 5.10.15.13.

5.10.15.5. Confirmation of generic and specific belonging of the microorganism by PCR - the analysis of the genome of GMM, if the result is positive, go to Clause 5.10.15.6, if not go to Clause 5.10.15.13.

5.10.15.6. Detection of marker genes (vector sequences, selective markers, "ori" sequences, auxotrophic sequences. In case only the stated marker sequences are detected, go to Clause 5.10.15.7, in case non-declared marker sequences are detected, go to Clause 5.10.15.13.

5.10.15.7. Detection of antibiotic resistance genes encoding resistance to antibiotics that have an clinical significance in medicine and veterinary, if the stated genes are dtected, go to Clause 5.10.15.13, if not, go to Clause 5.10.15.8.

5.10.15.8. Detection of the target gene by PCR followed by a confirmation of the nucleotide composition of the amplicon by the restriction or hybridisation analysis, if the target gene is detected, go to Clause 5.10.15.12, if not, go to Clause 5.10.15.13.

5.10.15.9. Determination of the nucleotide sequence of the target gene by sequencing and comparison with the declared nucleotide sequence, if the result is positive, go to Clause 5.10.15.12, if not, go to Clause 5.10.15.13.

5.10.15.10. Confirmation of the identity of the products of expression of target gene on the declared level and RNA (by RT-PCR) or by methods of electrophoresis in PAG and immunoblotting, if the result is positive, go to Clause 5.10.15.12, if not, go to Clause 5.10.15.13.

5.10.15.11. Analysis of additional quality and food product safety indicators for compliance with these Sanitary Rules. If the product meets the requirements, go to Clause 5.10.15.12, if not, go to Clause 5.10.15.13.

5.10.15.12. When the positive conclusion is issued, the product sample shall be assessed as complying with the requirements of these Sanitary Rules, in the part of requirements for marking and information.

5.10.15.13. When the negative conclusion is made, the product sample does not comply with these Sanitary Rules, further studies are quitted.

5.10.16. Algorithm for laboratory study of food products samples of group II and III containing non-viable GMM or GMA or released from technological microflora includes:

5.10.16.1. Detection of the growth of viable microorganisms of technological microflora and producer strains in the studied sample and their identification by microbiological methods. If living microorganisms-producers <*> correspond to the specified in the technical documentation on the product, or representatives of microorganisms closely related to them, which may not be related to external residual microflora, have been detected, go to Clause 5.10.16.10, if they have not been detected, go to Clause 5.10.16.2.

<*> Except for the cases when additional identification studies are carried out in order to confirm generic and specific belonging of the referent strain from the depositary (culture collections).

5.10.16.2. It should be verified by analysis of the supporting documentation if a producer strain has been obtained with the use of genetic engineering technologies or not, if the strain belongs to GMM, go to Clause 5.10.16.3, if not, further actions are analogous to the ones given in Table 7.

5.10.16.3. It should be verified whether the microorganism-donor of the target gene (for example, the gene encoding the synthesis of the enzyme) and the microorganism-recipient (producer strain) have been thoroughly studied and have safely been used for a long period in food industry. If GMM has such characteristics, go to Clause 5.10.16.4, if the strains are new, go to Clause 5.10.16.10.

5.10.16.4. To test the presence of DNA of producer strain in the analysed food product sample and the presence of generic and/or specific sequences, marker genes and the target gene. If the DNA of microbial origin in the analysed food product sample may not be detected within the sensitivity of the method, go to

Clause 5.10.16.9, if the DNA target sequences have been detected in the isolated DNA, go to Clause 5.10.16.5, if not, go to Clause 5.10.16.10.

5.10.16.5. To render concrete the marker genes encoding resistance to antibiotics that have an essential clinical significance in medicine and veterinary, if the stated genes are detected, go to Clause 5.10.16.10, if not, go to Clause 5.10.16.6.

5.10.16.6. Determination of the nucleotide sequence of the target gene and comparison with the declared nucleotide sequence, if the DNA target sequences have been detected, go to Clause 5.10.16.9, if not, go to Clause 5.10.16.7.

5.10.16.7. Detection of the protein identity expressed by the target gene of GMM to the declared protein (enzyme) by electrophoresis in PAG and immunoblot, if such correspondence has been detected, go to Clause 5.10.16.9, if not, go to Clause 5.10.16.10.

5.10.16.8. Analysis of additional quality and food product safety indicators shall be carried out with additional control in accordance with these Sanitary Rules.

5.10.16.9. The decision is made, according to which the product sample shall be assessed as complying with the requirements of these Sanitary Rules, in the part regarding requirements for marking and information.

5.10.16.10. The decision is made, according to which the product sample does not comply with these Sanitary rules, further studies are quitted.

5.11. After the accomplishment of the samples testing, examination of the enclosed documentation and production, based on the obtained results analysis, the decision on the GMM (GMA) products compliance with the requirements of the Sanitary Rules for labelling shall be made.

5.11.1. Depending on the results, the decision is made in the following way:

- if it is found that the food products samples contain GMM (and/or target genes of GMM, products of expression of target genes) and/or GMA, corresponding to the manufacturer's declaration, if their belonging to microorganisms -producers is confirmed as declared in the technical documentation and allowed for circulation in the Russian Federation, and if the food products do not contain DNA and protein, but it is confirmed that they contain microorganisms-producers declared in the technical documentation allowed for circulation in the Russian Federation based on the results of the documentation examination or the additional testing, such products shall be considered as meeting the requirements of the sanitary rules;

- if the samples contain food products obtained from/or with the use of GMM:

a) GMM (and/or target genes of GMM, products of expression of target genes, selective markers of GMM), not corresponding to the declaration of the manufacturer, not specified in the technical documentation, not registered and not allowed for circulation in the Russian Federation;

b) GMM or selective markers of GMM, plasmid DNA in the samples of the traditional food products, obtained from/or with the use of GMA;

c) genes of transmissible antibiotic resistance and/or factors (markers) of pathogenicity in the food products samples from GMM and GMA;

d) toxicity, genotoxicity, residual quantities of antibiotics, mycotoxins and other alien substances in the food products samples, obtained from/or with the use of GMM and GMA, the decision is made on the non-compliance of the products with the sanitary rules.

ConsultantPlus: note:

The numbering of Clauses is given in accordance with the official text of the document.

5.13. In the Section "Hygienic Characteristics of Products" of the sanitary and epidemiological opinions issued on the food products, obtained from/or with the use of GMM in the column "Substances, Indices (Factors)" the following line shall be additionally included: "GMM". Correspondingly, in the column "Hygienic Standard" of this line it is required to specify the relation of the products to GMM, and particularly:

- " Contains GMM (the name of the strain and the particular genetic modification)";

- " Obtained with the use of GMM (the name of the strain and the particular genetic modification)";

5.12.1. Depending on the condition of technological microflora in the product the forms of the records in the sanitary and epidemiological opinions on the food products obtained from/or with the use of GMM shall provide for:

- when the food product contains viable and non-viable GMM, the generic and specific name(s) of the culture(s) used for production for food products shall be indicated in the Latin language, as well as the number of the strain;

- for products obtained with the use of microorganisms-producers, but released from them during the technological process, - the information on strain-source of the products origin.

5.12.2. The examples of records in the sanitary and epidemiological opinions on the food products obtained from/or with the use of GMM are given in Table 8.

Options for Execution of Sanitary and Epidemiological Opinion in the Part Of Requirements for Technological Microflora

Substances, Indicators (Factors)	Hygienic Standard (SanPiN, Maximum Allowed Level,
	Maximum Permissible Concentrations, etc.)
Option 1 Processing aid - powder of pure culture of production from starch-contained raw material	alcohol yeast Saccharomyces cerevisiae Y-1986 for alcohol
GMM: contains genetically modified strain	Saccharomyces cerevisiae strain Y-1986 with the gene of alpha amylase from Bacillus licheniformis in the quantity of 1 x 10 10 CFU/g of the product, not less
Option 2. Agarinic culture - producer of the lipase enzym	e Aspergillus oryzae based on GMM
GMM: contains genetically modified strain	Consists of Aspergillus oryzae strain ATCC-92341 with Lipase triacylglycerol gene from Humicola lanuginose
Option 3. Food additive - enzyme agent "XXXX" of alpha	a amylase of microbial origin for starch industry
GMM: obtained with the use of genetically modified strai	n Bacillus amyloliquefaciens strain EBA-1 with the gene of alpha amylase from Bacillus amyloliquefaciens strain BZ53 in 1 g of the product - absent

5.13. Label inscriptions on consumer packages of the food products obtained from/or with the use of GMM shall include information on GMM presence provided for by Clause 2.18 of these Sanitary Rules.

VI. SANITARY AND EPIDEMIOLOGICAL REQUIREMENTS FOR ORGANIC PRODUCTS

(introduced by Amendments and Additions No. 8, approved by Resolution No.26 of Chief State Sanitary Inspector of the RF dated 21.04.2008)

6.1. For production of agricultural crops and plants, animal products, products of poultry farming and beekeeping, obtained with the use of technologies, ensuring food products manufacture from raw materials, obtained without use of pesticides and other plant-protecting agents, chemical fertilizers, animal growth stimulants and feeding stimulants, antibiotics, hormonal agents, veterinary drugs, GMO, not exposed to ionizing radiation, and their derived products containing not less than 95% of ingredients obtained with consideration of these Sanitary Rules requirements, and the content of the remaining ingredients in the final product does not exceed 5% of the total mass of all ingredients (except for edible salt and water) (hereinafter referred to as the organic products), the following is used:

- farmery fields, agricultural lands, farms, the transition period for which is not less than 2 years from the time of seedage or in case of permanent crops (except for grass) is minimum three years prior to the first gathering of the organic products;

- only natural flavouring agents;

- agents form microorganisms and enzymes allowed in the established procedure, used when processing food products or as processing aids, except for genetically modified microorganisms or enzymes, obtained by genetic engineering;

6.2. Acquisition and storage of materials with unclear origin and not allowed for production of organic products is not permissible.

6.3. Equipment used for organic products manufacturing and pipelines for irrigation shall be maintained and operated in accordance with the regulatory and technical documentation, be allowed for use in the established manner.

6.4. Harvest equipment, vehicles and containers shall be marked according to their application designation (only for organic products) and after their application shall be sanitary treated and stored in conditions which exclude their contamination after treatment and prior to their application.

All vehicles used for transportation of organic products shall be in appropriate technical condition, have a certificate of hygiene.

6.5. Products of organic production are allowed to be transported and sold only in packagings, with the marking "organic product" and they shall be supported by documents confirming their origin as organic products, their quality and safety.

Each batch of organic products shall be supported by documentation, allowing to trace the origin of the product and its quality (a quality and safety certificate).

6.6. Imported organic products shall undergo sanitary epidemiological examination with confirmation of organic product identification from the authorized body of the importing country.

6.7. Requirements for production of organic products of plant origin:

6.7.1. When growing organic products of plant origin it is necessary to provide the exclusion of influence of other productions not related to organic products production in order to prevent their contamination by radioactive, chemical, biological substances and their compounds, microorganisms and other biological organisms posing threat to health of the present and future generations (hereinafter referred to as pollutants).

6.7.2. Land plots used for organic products production shall meet the hygienic requirements for soil.

Land plots in which the hygienic standards of pollutants content for soil are exceeded shall be discharged from crop rotation system when organic products are being produced.

6.7.3. Water used for washing or processing agricultural crops shall satisfy sanitary and epidemiological safety requirements for drinking water.

6.7.4. Materials on the basis of polyethylene, polypropylene and other polycarbonates allowed for use in accordance with the established procedure may be applied for covering of protected structures, synthetic mulch, screens protecting from insects and for wrapping of silage. Products on the basis of polychloride shall not be used.

6.7.5. The culture may be dried by air or by other physical methods including the use of heaters but end products of fuel combustion shall not contaminate the culture. The use of these methods shall provide complete fuel combustion. The premises for drying shall be equipped with forced combined extract and input ventilation.

6.7.6. Food additives and processing aids may be used meeting the requirements specified in Table 9 and 10.

6.7.7. Only means to control pests quantity and plant diseases and agrochemicals which have undergone state registration in accordance with the established procedure may be used, they are specified in Table 11 and 12.

6.7.8. Fertilizers obtained during processing of side-products of slaughtery and fresh blood, as well as urea and Chilian nitrate are not allowed for use.

6.7.9. Synthetic herbicides, fungicides, pest control chemicals and other pesticides are not allowed for use.

6.7.10. Products containing copper in amounts exceeding 3 kg/ha per year are not allowed for use.

6.7.11. Synthetic growth regulators and synthetic dyes are not allowed for use. The exception is ethylene which may be used as a growth regulator for plants.

6.7.12. Organic products storages shall be kept clean and sanitary treated by means allowed for these purposes and specified in Table 12 of these sanitary rules.

6.8. Requirements for production of organic products of beekeeping and animal breeding.

6.8.1. Hive brood chambers shall be located in such a way that all farm units within a radius of 6 km from the beeyard meet the requirements of these sanitary rules.

It is allowed to locate other farm units within this radius which do not pose threat of contamination by radioactive, chemical, biological substances and their compounds, microorganisms and other biological organisms posing threat to health of the present and future generations, and which do not include pesticides. Beekeeping products shall be sold as organic products provided they have been obtained in compliance with these sanitary rules upon expiration of one year since the beginning of the beeyard activity.

6.8.2. When working with bees (during gathering of beekeeping products) one shall only use repellents allowed in accordance with the established procedure. It is not allowed to use synthetic chemical repellents.

6.8.3. For combating pests and bee diseases it is allowed to use the following substances and means: lactic acid, ethane diacid, formylic acid, acetic acid, sulfur, natural essential oils (menthol, eucalyptol, camphor), vapour and open flame, as well as allowed bacterial agents (Bacillus thuringiensis).

6.8.4. It is allowed to use food additives and processing aids for treatment of animal and beekeeping organic products in compliance with the requirements specified in Tables 13 and 14.

6.8.5. Animal products shall be considered as organic products if their production included the use of feeding grounds which have not been treated by any means not included in Tables 11 and 12 of these sanitary rules for 3 last years. The amount of fertilizers used in farm units shall not exceed 170 kg of nitrogen per year for 1 ha of farmlands.

6.8.6. Bovine cattle from the animal stock in which bovine spongiform encephalopathy (BSE) has been registered for the last six years cannot be used for organic products production.

6.8.7. It is not allowed to store on the territory of animal husbandry construction and other materials treated by dyes, preserving agents and toxic substances, which may negatively affect the organic product safety.

6.8.8. It is not allowed to keep agents to combat rodents and parasites within animals reach.

6.8.9. For cleaning and disinfection of cattle-breeding premises and buildings for keeping animals and birds, as well as for equipment and devices the following substances and agents are allowed for use: Potassium soap, sodium hydroxide soap, lime cream, lime, burnt lime, sodium hypochloride, sodium hydrate, potassium hydroxide, hydrogen peroxide, natural plant essenses, citric acid, peroxyacetic acid, formylic acid, lactic acid, ethane diacid, acetic acid, ethanol, hydrogen nitrate, phosphoric acid, calcium carbonate.

6.8.10. It is necessary to use animal and birds feeding stuff satisfying their physiological needs at different development stages and used for achievement of product high quality. It is not allowed to use feeding stuff with additives designated for intensive production (hormones, etc.), as well as feeding stuff with the use of genetically modified organisms.

6.8.11. It is allowed to use feeding stuff prepared without use of organic solvents. Macro-and micronutrients, vitamins, allowed for organic products production, are specified in Table 15 of these sanitary rules.

6.8.12. It is allowed to use silage, produced with the use of the following additives and treatment agents only: sorbic acid (E200), formylic acid (E 236), acetic acid (E 260), lactic acid (E 270), propionic acid (E 280), citric acid (E330), sea salt, rock salt, whey, sugar, sugar beet bagasse, grain flour, molasses, in compliance with the technical rules for their application, established by the sanitary epidemiological examination.

6.8.13. Enzymes, microorganisms, binders (calcium stearate of natural origin (E 470), colloidal silicon dioxide (E 551), bentonite (E 558), aluminum silicate (E 559), potassium silicate (E 560), vermiculite, sepiolite, perlite), beer yeast, in compliance with the norms, established by the Sanitary epidemiological examination thereof are allowed to be used for animals feeding.

6.8.14. It is not allowed to use antibiotics, coccidiostats, and other pharmaceutical agents, growth and galactosis stimulants in the animals food ration.

6.8.15. It is not allowed to use chemical and synthetic allopathic agents or antibiotics as preventive measures.

FOOD ADDITIVES USED IN PRODUCTION OF ORGANIC PRODUCTS OF PLANT ORIGIN

		Table 9
Ν	Name of Food Additives	Application Conditions
n/n		
1	2	3
1.	Calcium carbonate (E 170)	In accordance with SanPiN 2.3.2.1293-03 <*>
2.	Sulphur dioxide (E 220)	For winemaking products, in accordance with SanPiN 2.3.2.1293-03
3.	Lactic acid (E 270)	For fermented vegetable products, in accordance with SanPiN 2.3.2.1293-03
4.	Carbon dioxide (E 290)	In accordance with SanPiN 2.3.2.1293-03
5.	Malic acid (E 296)	In accordance with SanPiN 2.3.2.1293-03
6.	Ascorbic acid (E 300)	In accordance with SanPiN 2.3.2.1293-03

7.	Tocopherols, mixed tocopherols concentrate, natural (E306)	In accordance with SanPiN 2.3.2.1293-03	
8.	Lecithin (E 322), obtained without use of bleaching agents and organic solvents	In accordance with SanPiN 2.3.2.1293-03	
9.	Citric acid (E330)	For vegetable and fruit products, in accordance with SanPiN 2.3.2.1293-03	
10.	Sodium tartrates (E 335)	For cakes and confectionery products, in accordance with SanPiN 2.3.2.1293-03	
11.	Potassium tartrates (E 336)	For grain, confectionery products, cakes, in accordance with SanPiN 2.3.2.1293-03	
12.	Monocalcium orthophosphate (E 341 i)	Only for the dough volume increase, in accordance with SanPiN 2.3.2.1293-03	
13.	Alginic acid (E 400)	In accordance with SanPiN 2.3.2.1293-03	
14.	Sodium alginate (E 401)	In accordance with SanPiN 2.3.2.1293-03	
15.	Potassium alginate (E 402)	In accordance with SanPiN 2.3.2.1293-03	
16.	Agar (E 406)	In accordance with SanPiN 2.3.2.1293-03	
17.	Carrageenan (E 407)	In accordance with SanPiN 2.3.2.1293-03	
18.	Carob gum (E 410)	In accordance with SanPiN 2.3.2.1293-03	
19.	Guar gum (E 412)	In accordance with SanPiN 2.3.2.1293-03	
20.	Tragacanth gum (E 413)	In accordance with SanPiN 2.3.2.1293-03	
21.	Gum arabic (E 414)	For dairy products, fats and confectionery products, in accordance with SanPiN 2.3.2.1293- 03	
22.	Xanthane gum (E 415)	For vegetable and fruit products, products based on fat, for cakes and biscuits, salads, in accordance with SanPiN 2.3.2.1293-03	
23.	Karaya gum (E 416)	In accordance with SanPiN 2.3.2.1293-03	
24.	Pectins (E 440)	In accordance with SanPiN 2.3.2.1293-03	
25.	Sodium carbonates (unmodified) (E 500)	For cakes and biscuits, confectionery products, in accordance with SanPiN 2.3.2.1293-03	
26.	Potassium carbonates (E 501)	For grain products, cakes and biscuits, confectionery products, in accordance with SanPiN 2.3.2.1293-03	
27.	Ammonium carbonates (E 503)	In accordance with SanPiN 2.3.2.1293-03	
28.	Magnesium carbonates (E 504)	In accordance with SanPiN 2.3.2.1293-03	
29.	Potassium chloride (E 508)	For frozen fruit and vegetables, canned fruits and vegetables, vegetable sauces, ketchup and mustard, in accordance with SanPiN 2.3.2.1293-03	
30.	Calcium chloride (E 509)	For dairy products, products based on fats, fruits and vegetables, soya products, in accordance with SanPiN 2.3.2.1293-03	
31.	Magnesium chloride (E 511)	For soya products, in accordance with SanPiN 2.3.2.1293-03.	
32.	Calcium sulphates (E 516)	For cakes and biscuits, soya products, yeast, in accordance with SanPiN 2.3.2.1293-03.	
33.	Sodium hydroxide (E 524)	For grain products, in accordance with SanPiN 2.3.2.1293-03.	
34.	Argon (E 938)	In accordance with SanPiN 2.3.2.1293-03	

35.	Nitrogen (E 941)	In accordance with SanPiN 2.3.2.1293-03
36.	Oxygen (E 948)	In accordance with SanPiN 2.3.2.1293-03

<*> SanPiN 2.3.2.1293-03 "Hygienic Requirements for the Application of Food Additives", registered by Ministry of Justice on 02.06.2003 Russia, registration number 4613.

Table 10

PROCESSING AIDS, WHICH CAN BE USED FOR PRODUCTION OF ORGANIC PRODUCTS OF PLANT ORIGIN

r		ORIGIN
N	Name	Special Application Terms
n/n		
1	2	3
1.	Calcium chloride	Firming agent
2.	Calcium carbonate	
3.	Calcium hydroxide	
4.	Calcium sulphate	Firming agent
5.	Magnesium chloride	Firming agent
6.	Potassium carbonate	For the purpose of grapes drying
7.	Carbon dioxide	
8.	Nitrogen	
9.	Ethanol	Solvent
10.	Tannic acid	For filtering purposes
11.	Egg white albumines	
12.	Casein	
13.	Gelatin	
14.	Fish adhesive	
15.	Vegetable oils	
16.	Silicon dioxide	Application as a gel or colloid solution
17.	Activated carbon	
18.	Agilite	
19.	Bentonite	
20.	Kaolin	
21.	Diatomaceous earth	
22.	Perlite	
23.	Hazelnut shells	
24.	Beeswax	Anti-adhesion additives
25.	Carnauba wax	Anti-adhesion additives
26.	Sulphuric acid	pH correction for water deletion in sugar syrup
27.	Sodium hydroxide	pH correction for sugar production
28.	Tartaric acid and its salts	
29.	Calcium carbonate	Sugar production
30.	Agents based on tree bark	
31.	Potassium hydroxide	pH correction for sugar production
32.	Citric acid	pH correction

AGROCHEMICALS ALLOWED TO BE USED FOR PRODUCTION OF

ORGANIC PRODUCTS <*>

No.	Means	Requirements for Composition and Conditions of Use	
item			
1	2	3	
1.	Farmyard manure and bird droppings, obtained within organic products production system conditions	After composting, worm breeding or thermal processing subject to presence of positive veterinary conclusion and application of regulations for use established during the sanitary epidemiological examination	
2.	Manure from farms producing organic products	After composting, if introduced into the soil 120 days prior to harvest, intended for food purposes and regulations for use, determined during the sanitary epidemiological examination	
3.	Remaining quantities of agricultural crops and green manure fertilizers obtained from the farm unit producing organic products	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
4.	Straw and other mulch obtained from the farm unit producing organic products	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
5.		In accordance with the regulations for use, determined during the sanitar epidemiological examination. It is necessary to specify animal species	
6.	Compost and composted farmyard manure, obtained from the farm unit producing organic products	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
7.	Dry farmyard manure and dry bird manure, obtained from the farm unit producing organic products	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
8.	Guano	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
9.	Straw	After composting it shall be used in accordance with the regulations for use, determined during the sanitary epidemiological examination	
10.	Compost and mushroom waste and vermiculite substrate	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
11.	Sorted, composted or fermented household food waste	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
12.	Compost from by-products of plant origin	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
13.	Processed animal products from slaughtering and fish plants	In accordance with the regulations for use, determined during the sanitary epidemiological examination	

14.	By-products of food and textile industry not processed by synthetic additives	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
15.		 Shall only be obtained by means of: 1) physical processes, including dehydration, freezing and pulverizing, 2) water extraction or aqueous acid solution and/or alkaline solution, 3) fermentation and be used in accordance with the regulations for use, determined during the sanitary epidemiological examination 	
16.	Sawdust, bark and woodwaste	After cutting the timber shall not be treated with chemicals, it shall be used in accordance with the regulations for use, determined during the sanitary epidemiological examination	
17.	Wood and charcoal	After cutting the timber shall not be treated with chemicals, it shall be used in accordance with the regulations for use, determined during the sanitary epidemiological examination	
18.		Content of cadmium shall not exceed 90 mg / kg P2O5, it shall be used in accordance with the regulations for use, determined during the sanitary epidemiological examination	
19.	Basic slag	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
20.	Potassium salts (Cainites, sylvinite and etc.)	Content of chlorine shall not be more than 60% it shall be used in accordance with the regulations for use, determined during the sanitary epidemiological examination	
21.	Potassium sulphate (patenkali, etc.)	Obtained as a result of physical processes with subsequent enrichment by chemical means in order to improve solubility. It shall be used in accordance with the regulations for use, determined during the sanitary epidemiological examination	
22.	Calcium carbonate of natural origin (chalk, marl, limestone, phosphate-containing chalk)	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
23.	Magnesium rock of natural origin	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
24.	Lime-magnesium rock of natural origin	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
25.	Epsom salt (magnesium sulphate)	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
26.	Natural gypsum (calcium sulfate) from natural sources only		
27.	Grains and grains extract except ammonium grains	pt In accordance with the regulations for use, determined during the sanitary epidemiological examination	
28.	Sodium chloride	Only mine salt shall be used in accordance with the regulations for use, determined during the sanitary epidemiological examination	
29.	Aluminum - calcium phosphate	Shall not be used as defoliant or herbicide. The use of chlorides and nitrates of the said microelements shall not be allowed. Content of cadmium shall not exceed 90 mg / kg P2O5. It shall be used in accordance with the regulations for use, determined during the sanitary epidemiological examination	

30.	Microelements (e.g, boron,	Shall not be used as defoliant or herbicide.	
00.	copper, iron, manganese,	The use of chlorides and nitrates of the said microelements shall not be	
	molybdenum, zinc)	allowed.	
		It shall be used in accordance with the regulations for use, determined	
04	Cultur	during the sanitary epidemiological examination	
31.	Sulfur	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
32.	Stone powder (crushed basalt)	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
33.	Alumina (e.g bentonite, perlite, zeolite)	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
34.	Biological organisms found in the wild (e.g, worms)	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
35.	Vermiculite	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
36.	Peat	Except for peat with the addition of synthetic additives. It shall be used for germination of seeds in peat pots. It is not allowed to be used as a soil conditioner. Other methods of using peat - in accordance with the regulations for use, determined during the sanitary epidemiological examination	
37.	Humus from worms and insects	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
38.	Humic acid of natural origin (water and alkali extracts only)	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
39.	Bleaching powder	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
40.	By-products of sugar production (e.g, grains)	on In accordance with the regulations for use, determined during the sanitary epidemiological examination	
41.	By-products of processing of Guinea palms, coconut and cocoa (including palm combs and residues, filtered press cake, cocoa husks)	In accordance with the regulations for use, determined during the sanitary paepidemiological examination	
42.	By-products obtained as a result of organic products processing	In accordance with the regulations for use, determined during the sanitary epidemiological examination	
43.	Calcium chloride solution	For processing of leaves in the case of proven calcium deficiency	

<*> Agrochemicals shall undergo state registration in the Russian Federation in the established manner.

MEASURES FOR PESTS AND PLANT DISEASES CONTROL ALLOWED TO BE USED FOR PRODUCTION OF ORGANIC PRODUCTS <*>

No.	Name	Application Terms	
-	Name		
item 1	2	3	
1.	Of plant and animal origin	5	
1.1.	Preparations based on pyrethrin, derived from Chrysanthemum cinerariaefolium, which can contain synergists	Shall be used only in case of direct threat to harvest, except piperonyl butoxide used as a synergist	
1.2.	Preparations based on rotenone, obtained from species of Derris elliptica, Lonchocarpus spp, Thephrosia spp	Shall be used only in case of direct threat to harvest	
1.3.	Preparations based on Quassia amara	Shall be used only in case of direct threat to harvest	
1.4.	Preparations based on Ryania speciosa	Shall be used only in case of direct threat to harvest	
1.5.	Products based on shoals (azadirachtin) from Aradiachta indica	Shall be used only in case of direct threat to harvest	
1.6.	Propolis	Shall be used only in case of direct threat to harvest	
1.7.	Vegetable and animal oils (e.g, mint, pine, thyme oil)	Shall be used only in case of direct threat to harvest	
1.8.	Seaweed, flour and seaweed extracts, sea salt and salty water, which were not subjected to chemical processing	Shall be used only in case of direct threat to harvest	
1.9.	Gelatin	Shall be used only in case of direct threat to harvest	
1.10.	Casein	Shall be used only in case of direct threat to harvest	
1.11.	Lecithin	Shall be used only in case of direct threat to harvest	
1.12.	Natural acids (e.g acetic)	Shall be used only in case of direct threat to harvest	
1.13.	Fermented products from aspergilli	Shall be used only in case of direct threat to harvest	
1.14.	Mushroom extract (Shiitake fungus)	Shall be used only in case of direct threat to harvest	
1.15.	Chlorella extract	Shall be used only in case of direct threat to harvest	
1.16.	Chitin nematicides of natural origin	Shall be used only in case of direct threat to harvest	
1.17.	Natural herbal preparations (except drugs based on tobacco)	Shall be used only in case of direct threat to harvest	
1.18.	Beeswax	Shall be used only in case of direct threat to harvest	
1.19.	Sabadilla	Shall be used only in case of direct threat to harvest	
2.	Of mineral origin		
2.1.	Copper in the form of hydroxide, oxychloride (tribasic), sulfate, suboxide, Bordeaux and Burgundy fluid	The necessity to be used, purpose and dosage shall be confirmed in the established manner. Can be applied as a fungicide conditioned that the use of preparations will not cause accumulation of copper in soil above the established level.	

2.2.	Sulphur	Shall be used only in case of direct threat to	
2.3.	Mineral neuders (stens neuder, siliestes, hentenits)	harvest	
	Mineral powders (stone powder, silicates, bentonite)	Shall be used only in case of direct threat to harvest	
2.4.	Diatomaceous earth	Shall be used only in case of direct threat to harvest	
2.5.	Sodium silicate	Shall be used only in case of direct threat to harvest	
2.6.	Sodium bicarbonate	Shall be used only in case of direct threat to harvest	
2.7.	Potassium permanganate	Shall be used only in case of direct threat to harvest of fruit trees, grapes	
2.8.	Iron phosphate	Shall be used as molluscicide	
2.9.	Burnt lime	Shall be used this way to minimize accumulation of copper in soil	
2.10.	Mineral oils (except oil)	Shall be used only in case of direct threat to harvest	
2.11.	Paraffin oil	Shall be used only in case of direct threat to harvest	
2.12.	Silica sand		
3.	Microorganisms used for biological pest control		
3.1.	Preparations of Bacillius thuringiensis, granulosis virus, etc.	Shall be used only in case of direct threat to harvest	
4.	Other		
4.1.	Homeopathic and Ayurvedic drugs	Shall be used only in case of direct threat to harvest	
4.2.	Carbon dioxide and nitrogen	Shall be used only in case of direct threat to harvest	
4.3.	Potassium soap (soft soap)		
4.4.	Ethanol	Shall be used only in case of direct threat to harvest	
4.5.	Herbal and biodynamic preparations		
4.6.	Sterilized insect males	Shall be used only in case of direct threat to harvest	
4.7.	Predatory insects	Shall be used only in case of direct threat to harvest	
4.8.	Beeswax	Shall be used only as substance in case of tree chopping	
5.	Physical barriers		
5.1.	Processing by electromagnetic field	Shall be used only in case of direct threat to harvest	
5.2.	Sound	Shall be used only in case of direct threat to harvest	
5.3.	Steam as a sterilizing method	Shall be used only in case of direct threat to harvest	
5.4.	Ammonium carbonate	Shall be used only as a repellent for large animals. No contact with soil or edible crops is not allowed	
5.5.	Hydrogen peroxide	Shall be used only in case of direct threat to harvest	
6.	Traps		
6.1.	Mechanical	Shall be used only in case of direct threat to harvest	

6.2.	Pheromones - only in traps and dispensers	Traps and / or dispensers shall prevent release of substances used into the environment and contact thereof with the grown cultures. After completion of work traps shall be collected and safely disposed of
6.3.	Sticky traps	Shall be used only in case of direct threat to harvest
6.4.	Mineral oils (except oil)	Shall be used only in case of direct threat to harvest
6.5.	Preparations based on metaldehyde, containing repellents for scaring away more highly organized animals, also used in the traps	Shall be used only in case of direct threat to harvest

<*> Means for pests and plant diseases control shall undergo state registration in the Russian Federation in the established manner.

FOOD ADDITIVES, WHICH CAN BE USED IN PRODUCTION OF ORGANIC ANIMAL AND BEE PRODUCTS

No.	Name	Field of Application	
item			
1	2	3	
1.	Vegetable carbon (E 153)	For some types of cheeses in accordance with SanPin 2.3.2.1293-03 <*>	
2.	Calcium carbonate (E 170)	For dairy products, in accordance with SanPiN 2.3.2.1293-03. Shall not be used as colouring agent	
3.	Lactic acid (E 270)	For sausage casings, in accordance with SanPiN 2.3.2.1293-03	
4.	Carbon dioxide (E 290)	In accordance with SanPiN 2.3.2.1293-03	
5.	Lecithin (E 322), obtained without use of bleaching agents or organic solvents	For dairy products, baby food based on milk, products based on fat, mayonnaise, in accordance with SanPiN 2.3.2.1293-03	
6.	Sodium citrate (E 331)	For sausages, egg white pasteurization, dairy products, in accordance with SanPiN 2.3.2.1293-03	
7.	Agar (E 406)	In accordance with SanPiN 2.3.2.1293-03	
8.	Carrageenan (E 407)	For dairy products, in accordance with SanPiN 2.3.2.1293-03.	
9.	Carob gum (E 410)	For dairy and meat products, in accordance with SanPiN 2.3.2.1293-03.	
10.	Guar gum (E 412)	For dairy products, canned meat, egg products, in accordance with SanPiN 2.3.2.1293-03	
11.	Tragacanth gum (E 413)	In accordance with SanPiN 2.3.2.1293-03	
12.	Gum arabic (E 414)	For dairy products, products based on fat, confectionery, in accordance with SanPiN 2.3.2.1293-03	
13.	Pectins (unmodified) (E 440)	For dairy products, in accordance with SanPiN 2.3.2.1293-03.	
14.	Calcium chloride (E 509)	For dairy products, in accordance with SanPiN 2.3.2.1293-03.	
15.	Argon (E 938)	In accordance with SanPiN 2.3.2.1293-03	
16.	Nitrogen (E 941)	In accordance with SanPiN 2.3.2.1293-03	
17.	Oxygen (E 948)	In accordance with SanPiN 2.3.2.1293-03	

<*> SanPiN 2.3.2.1293-03 "Hygienic Requirements for Use of Food Additives", registered by Ministry of Justice of the RF on 02.06.2003, registration number 4613.

PROCESSING AIDS, WHICH CAN BE USED FOR TREATMENT OF ORGANIC ANIMAL AND BEE PRODUCTS

No.	Name	Special Application Terms
item		
1	2	3
1.	Calcium carbonate (E 170)	
2.	Calcium chloride (E 509)	Used as thickening agent in cheese making to give density
3.	Kaolin	To extract propolis
4.	Lactic acid (E 270)	For dairy products as thickening agent . To correct pH of salt bath in cheese making
5.	Calcium carbonate (E 500)	For dairy products as neutralizing agent

Table 15

FEEDSTUFF, PRODUCED WITHOUT CHEMICAL SOLVENTS, MACRO-AND MICROELEMENTS, VITAMINS, ALLOWED TO BE USED FOR PRODUCTION OF ORGANIC PRODUCTS

1.	Cereals, grain, products of processing thereof and by- products	Oats in the form of grains, flakes, feed flour, bran; barley in the form of grains, protein and feed flour; rice in the form of grains, chops, feed flour, germ press cake; millet sowing in the form of grains, rye in the form of grains, feed flour and bran; sorghum in the form of grains; wheat in the form of grains, feed flour, bran, gluten, germ; triticale in the form of grains; maize in the form of grains, bran, feed flour, germ press cake and gluten; malt sprouts; brewing grains.
2.	Oil seeds, oilseeds products, products of processing thereof and by-products	Rapeseed, rapeseed press cake and rapeseed hulls; soybeans, heated by steam, soybean press cake and hulls of soybeans, sunflower seeds and their press cake, cotton seed and their press cake, flax seeds and their press cake, sesame seed and press cake, palm kernel press cake, winter cress seed press cake and winter cress seed hulls; pumpkin press cake; extracted olive oil cake (through physical extraction of olives).
3.	Grain legumes, products of processing thereof and by- products	Garbanzo in the form of seeds, seeds of French lentils; lathyrus in the form of seeds subjected to appropriate heat treatment; peas in the form of seeds, feed flour, bran, horse beans in the form of seeds, feed flour, bran; broad beans in the form of seeds, vetch and lupins in the form of seeds.
4.		Leached beet chips, sugar beet bagasse, potatoes, sweet potatoes in the form of tubers, cassava in the form of roots, potato pulp (by-product when receiving starch) potato starch, potato protein and sago.
5.	Other seeds and fruits, products and by-products	Carob tree, carob tree pods and products thereof, pumpkin; citrus squeezing residues, apples, quinces, pears, peaches, figs, grapes and bagasse from them; chestnut walnut press cake, hazelnut, cocoa husks and their press cake; acorns.

6.	Green and gross feedstuff	Alfalfa, grass meal from alfalfa, clover, grass meal from clover, green feedstuff (obtained from forage plants), grass meal, hay, silage, straw of grain and root vegetables for green feedstuff.
7.	Other plants, products of processing thereof and by- products	Molasses only as a binder agent in animal compound feedstuff, flour made from seaweed (obtained by drying and grinding of sea algae, followed by washing for reduction of iodine content), extracts and flour of shredded plants, vegetable protein extracts (only for feeding of young stock) spices, herbs.
8.	Milk and dairy products	Raw milk, dry milk, skimmed milk, dry skimmed milk, buttermilk, dried buttermilk, whey, dry whey, dry whey partially sugar-free, whey protein powder (extracted by physical treatment), dry casein and dry lactose.
9.	Fish and other marine animals, products of processing thereof and by-products	Fish, fish oil and unrefined cod fat obtained by an enzyme method, soluble or insoluble autolysates, hydrolysates and protolysates of parts of fish, invertebrates and crustaceans, only for feeding of young stock, fishmeal.
10.	Feed materials of mineral origin	Sodium (crude sea salt, large rock salt, sodium sulphate, sodium carbonate, sodium bicarbonate, sodium chloride). Calcium (litotamnion and maerl, sinks of aquatic organisms, including bones of cuttlefish, calcium carbonate, calcium lactate, calcium gluconate). Phosphorus (sedimentary bone disubstituted acid calcium phosphate, defluorinated disubstituted calcium phosphate, defluorinated monosubstituted phosphate calcium, calcium-magnesium phosphate, calcium - sodium phosphate). Magnesium (magnesium oxide, magnesium sulfate, magnesium chloride, magnesium carbonate, magnesium phosphate). Sulfur (sodium sulfate).
11.	Microelements (the need to be used shall be confirmed in the established manner)	Iron: carbonate (II), sulfate (II) monohydrate and / or heptahydrate, oxide (III). Iodine: calcium iodate (anhydrous), calcium iodate, hexahydrate, potassium iodide. Cobalt: cobalt acid sulfate (II) monohydrate and / or heptahydrate, basic cobalt acid sulfate (II) monohydrate. Copper: oxide (II), basic copper carbonate (II) monohydrate, copper acid sulfate (II) pentahydrate. Manganese: carbon (II), oxide, sulfate (II) mono-and / or tetrahydrate. Zinc: carbon, oxide, sulfate, mono and / or heptahydrate, Molybdenum: molybdate acid ammonium, molybdate acid sodium. Selenium: sodium selenate, sodium selenite.
12.	Vitamins, pro-vitamins and chemically well-defined substances with similar action	Vitamins, pro-vitamins and chemically well-defined substances similar effect are allowed to be used. Preferably, they shall be received from materials naturally contained in feedstuffs. Synthetic vitamins identical to natural, intended only for monogastric animals.

VII. Sanitary-Epidemiological Requirements for Safety and Nutrition Value of Specialised Food Products for Sportsmen

(introduced by Amendments No. 14, approved by Resolution No. 28 of Chief State Sanitary Inspector of the RF dated 05.05.2009)

7.1. Food products of specified chemical composition, increased nutrition value and/or intended effectiveness, consisting of a complex of food products or represented by their certain types, which have a specific influence on the improvement of human adaptive capabilities to physical and emotional loads and are intended for achievement of high sport results (hereinafter referred to as the specialised food products for sportsmen) and their components (raw material) shall comply with the hygienic requirements for safety and nutrition value established by these Sanitary Rules including safety parameters of the provisions of Annex 1 and requirements established by technical regulations for certain types of food products.

7.2. Vitamins and mineral salts shall be used in the forms specified in Annex 18 of these Sanitary Rules.

7.3. The composition of raw material used for the production of specialised food products for sportsmen as well as of ready food products may not include psychotropic, narcotic, toxic, strong, doping substances and/or their metabolites, other prohibited substances which are on the list of WADA (the World Anti-Doping Agency).

7.4. Food additives which do not negatively affect human health, specified in Annex 7 of these Sanitary Rules, may be used when manufacturing specialised food products for sportsmen.

7.5. Food value criteria, content of proteins, fats and hydrocarbons provided for by Annex 2 and Annex 17 of these Sanitary Rules shall be taken into account when manufacturing specialised food products for sportsmen.

7.6. Specialised food products for sportsmen shall be sold in consumer packaging only.

7.7. Quality and safety requirements for specialised food products for sportsmen shall be complied with when developing technical documents governing the issues of manufacturing and turnover of foodstuff and confirmed by sanitary and epidemiological examination of such products to be carried out according to the established procedure.

7.8. When carrying out expertise, research (tests) of specialised food products for sportsmen, their declared effectiveness shall be additionally appraised as well as the lack of unfavourable by-reactions shall be confirmed and special features of their use shall be detailed.

7.9. Specialised food products for sportsmen shall be allowed for manufacturing, storage, transportation and sale after their state registration.

VIII. Hygienic Requirements for Safety and Nutrition Value of Food Products Enriched with Vitamins and Mineral Substances

(introduced by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

8.1. Basic Requirements for Enrichment of Food Products with Micronutrients

8.1.1. Enrichment of food products by adding one or several vitamins, macro- and/or microelements shall be performed pursuant to the requirements:

- food products of mass consumption used regularly and universally in every day alimentation of adult population and children over 3 years as well as food products which undergone refinement and other processing treatments which result in sufficient losses of vitamins and mineral substances shall be enriched;

- those vitamins and mineral substances shall be used for enrichment, underconsumption and/or deficit symptoms of which are actually detected among the population;

- the use of a more complex set of vitamins, macro- and/or microelements in enriching additives in the form of premixes shall be allowed;

- it shall be allowed to enrich products with vitamins and/or mineral substances regardless of the fact whether they are present or not in the original product;

- the criteria for choice of a list of enriching micronutrients, their dosage and forms shall be safety and effectiveness for the increase of ration food value;

- the number of vitamins and mineral substances additionally added into products enriched by them shall be calculated with regard to their natural content in the original product or raw material used for its manufacturing as well as losses during the manufacturing process or storage so that to ensure the content of these vitamins and mineral substances within the whole storage life of the enriched product at the level not less than the specified one;

- the choice of combination, forms, techniques and stages of addition of enriching additives shall be made with regard to a possible chemical interaction between them and components of the enriched product and shall ensure maximal safety during the manufacturing process and storage;

- enrichment of food products with vitamins and mineral substances shall not deteriorate their consumer properties: decrease the content and absorbency of other food substances contained in them, materially change organoleptic properties of food products, reduce their shelf life;

- enrichment of food products with vitamins and mineral substances shall not influence safety indices:

- the ensured content of vitamins and mineral substances in products enriched by them shall be specified on an individual packaging of such products;

- the effectiveness of addition of vitamins and/or mineral substances into new and specialised food products for the purpose of their enrichment shall be confirmed by special studies proving their safety and capability to improve the provision of vitamins and mineral substances added into the content of enriched products to the organism and positively influence the state of health.

8.1.2. The following groups of food products shall be recommended for the enrichment with vitamins and/or mineral substances:

- flour and bakery products,

- dairy products,

- alcohol-free beverage,

- juice products from fruits (including berries) and vegetables (juices, fruit and (or) vegetable nectars, fruit and (or) vegetable juice drinks)

- fat-and-oil products (vegetable oils, margarines, spreads, mayonnaises, sauces),

- edible salt,

- grain products (ready breakfasts, extruded and ready for consumption products, macaroni products and cereal instant products),

- food concentrates (kissels, instant beverages, instant dishes, instant porridge concentrates),

- protein products from grains of cereal, grain legumes and other crops, as well as food products intended for certain population groups:

- baby food,

- dietary (curative and prophylactic) food products,

- functional food products,

- specialised food products including those with a specified chemical composition.

It is possible to enrich confectionery products (sugary and flour) and fruit and berries concentrates with sugar with vitamins and / or mineral substances.

8.1.3. Products of mass consumption shall be enriched with vitamins and/or mineral substances pursuant to the recommendations specified in Annex No. 19 of these sanitary rules.

8.1.4. The following products shall not be enriched with vitamins and mineral substances:

- food products which are not subject to engineering processing (fruits, vegetables, meat, poultry meat, fish),

- fermented beverages as well as beverages with 1.2 % of alcohol content (excluding low-alcohol tonic beverages into which minerals and mineral substances are added for another purpose).

8.2. Forms and List of Vitamins and Mineral Substances Used for the Enrichment of Food Products

8.2.1. When manufacturing food products enriched with vitamins and mineral substances, there shall be used the form of vitamins and mineral substances specified in Annex No. 18 and Annex No. 19 of these sanitary rules. It is possible to use vitamin K2 (menaquinone) and calcium L-methylfolate to enrich food products.

8.2.2. It is not allowed to enrich food products of mass consumption with natrium, choline, inositol, carnitine, taurine, cuprum, manganese, molybdenum, chromium and selenium except for specialised food products (for sportsmen, dietary (curative and and prophylactic) food products with a specified chemical composition), functional food products and baby food as well as biologically active food additives.

8.2.3. When adding a set of micronutrients into enriched products, it is necessary to use food enriching agents - vitamin, mineral or vitamin and mineral mixtures (premixes) - ready homogeneous mixtures of food enriching agents (vitamins and/or mineral substances) manufactured based on the

carrying agent, which increases the accuracy of addition and ensures more uniform distribution of vitamins and mineral substances in a product being enriched. The use of premixes makes it possible to control the amount of added premix by the content of several micronutrients and, hence, to control the content of other added vitamins and/or mineral substances in ready products added into the composition thereof.

8.3. Specified Levels of Content of Vitamins and Mineral Substances in Enriched Products

8.3.1. The product shall be considered enriched on condition that its averaged daily serve contains from 15 % to 50 % of vitamins and/or mineral substances of the standard of human physiological need. The mass (volume) of the averaged daily serve shall be established by Annex No. 20 of these sanitary rules.

When enriching a food product, supplemental addition of an enriching agent shall be not less than 10 % of the standard of human physiological need.

For enriched high-energy food products (with the energy value of 350 kcal and more per 100 g), the content of vitamins and mineral substances shall be equal from 15 % to 50 % of the standard of human physiological need in terms of 100 kcal (1 standard food serve).

8.3.2. When manufacturing enriched food products, it is possible to increase the content of vitamins in them with respect to the declared indicators but not more than by 70 per cent for vitamin C and not more than by 50 per cent for other vitamins due to a natural reduction in the number of vitamins in enriched food products when they are stored during their storage life.

8.3.3. The limits of permissible deviations of real content of vitamins and mineral substances in enriched food products from the ensured one (specified on the label at marking) or the one stipulated by the receipt shall amount to:

- +/- 20 % for vitamins C, B1, B2, B6, pantothenic acid, niacin and mineral substances of magnesium, calcium, phosphorus, iron, zink;

- +/- 30 % for vitamins A, D, E, B12, folic acid, biotin and mineral substance of iodine;

- +/- 38 % for the mineral substance of iodine in iodine-treated salt.

8.4. Special Requirements for Food Products Enriched with Vitamins and Mineral Substances

8.4.1. The developer of enriched food products and (or) their manufacturer shall be obliged to include additionally an ensured content of vitamins and/or mineral substances by the end of storage life into regulatory and technical documentation as well as requirements for their packaging and marking, storage lives and quality and safety control methods.

8.4.2. The control of content of vitamins and mineral substances in enriched food products when enriching additives in the form of vitamins and/or vitamin and mineral premixes are added can be performed by the content of several components comprising the content of enriching agents; the manufacturer shall be responsible for the compliance of the number of vitamins and/or mineral substances with the one ensured in the regulatory and technical documentation.

8.4.3. Enriched food products shall be produced according to regulatory and technical documentation and shall comply with technical regulations on each type of products; in case there are no such documents, they shall comply with sanitary rules and regulations of the Russian Federation in the sphere of ensuring its quality and safety and shall be confirmed by the declaration of compliance.

8. 4. 4. Enriched food products imported into the territory of the Russian Federation shall comply with the legislation of the Russian Federation in the sphere of food product safety and requirements of these sanitary rules.

8. 4. 5. The specified content of vitamins and mineral substances in enriched food products shall be controlled by the manufacturer.

8. 4. 6. Packaging of enriched food products shall ensure their quality and safety at all stages of products turnover.

The manufacturer of enriched food products shall release them packed and marked according to the Russian Federation legislation and requirements of these sanitary rules, regulatory and technical documentation.

8.5. Requirements for Information at Marking of Food Products Enriched with Vitamins and Mineral Substances

8.5.1. Food products enriched with vitamins and mineral substances shall be accompanied by information for consumers which conforms to the requirements of the Russian Federation legislation.

8.5.2. There shall be a word 'enriched' on the consumer packaging of enriched products in the name of such products or close to it. In addition, there shall be names of vitamins and/or mineral substances added into the content of such products, their ensured content by the end of storage life of the food product in mg per 100 g (ml) or averaged daily serve of the product as well as the content of the standard of human physiological need for such food substances expressed in per cent and recommendations for use or special features of use of such products, in case they are established.

8.5.3. The use of vitamins (C, E, beta-carotene) as food additives, namely, antioxidants, vitamin B2, beta-carotene and other carotinoids as colouring agents shall not be considered as the ground for specifying the following on the consumer packaging of the product: 'With vitamin...'.

8.5.4. Information for consumers about the content of vitamins and/or mineral substances shall be specicfied on each unit of consumer packaging of enriched food products, on each unit of multi-unit packaging and on each unit of transportation packaging.

Annex 1

to SanPin 2.3.2.1078-01, approved by Resolution No. 36 of Chief State Sanitary Inspector of the RF dated November 14, 2001

1. HYGIENIC REQUIREMENTS FOR SAFETY AND NUTRITION VALUE OF FOOD PRODUCTS

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003

No. 9, approved by Resolution No. 30 of Chief State Sanitary Inspector of the RF dated 23.05.2008,

No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008,

Amendments No.11, approved by Resolution No. 56 of Chief State Sanitary Inspector of the RF dated 01.10.2008

Amendment No. 16, approved by Resolution No. 6 of Chief State Sanitary Inspector of the RF dated 27.01.2010,

Amendments and Additions No. 18, approved by Resolution No. 71

of Chief State Sanitary Inspector of the RF dated 28.06.2010,

Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010

Amendment No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011)

Index, Group of	Indicators	Permissible Levels,	Note
Products		mg/kg, not more than	
1	2	3	4
1.1.1. Meat,	Toxic elements:		
including semi-	lead		
manufactured		0.5	
products,	arsenic	0.1	
steamed,	cadmium	0.05	
chilled,	mercury	0.03	
slightly frozen,	Antibiotics (excep	ot for wild animals) <	<*>:
frozen (all	laevomycetin	0.01	Expiring on 01.01.2012.
types of	(chloramphenicol)		
butchers, trade		0.0003	Shall become effective
and wild			since 01.01.2012.
animals),	tetracycline	0.01	
including:	group		
	bacitracin	0.02	
(as amended by Ar	mendment No. 24, aj	pproved by Resolution	No. 79 of Chief State
Sanitary Inspecto	or of the RF dated	01.06.2011)	
	Pesticides <**>:		
	Hexachlorocyclohe		
	xane	0.1	
	(alpha-, beta-,		
	gamma-isomers)		
	DDT and its -	0.1	
	metabolites.		
	Radionuclides:	200	(Bq/kg) Boneless meat
	caesium - 137	300	the same, boneless
			venison, boneless meat
			of wild animals
(as amended by Ar	mendments and Addi	tions No. 18, approved	d by Resolution No. 71
of Chief State Sa	anitary Inspector (of the RF dated 28.06	.2010)
	Dioxins <****>:	0.00003	beef, mutton (in terms
			of fat)
		0.000001	pork (in terms of fat)
(as amended by Ar	mendments and Addi	tions No. 10, approved	d by Resolution No. 43
of Chief State Sa	anitary Inspector (of the RF dated 16.07	.2008)

1.1. Meat and Meat Products; Poultry, Eggs and Products of their Processing

	Mi	crobiolc	gical	indic	ators:	
Index, group of		Mass of			Moulds,	Note
products	CFU/g, not			,	CFU/g,	
produces	more than					
		indicato		not	more	
		not allo		more	than	
		Colifor				
		m	genic			
		bacteri	bacte			
		a	ria,			
		(colifo	inclu			
		rms)	ding			
		,	Salmo			
			nella			
1	2	3	4	5	6	7
1.1.1.1.						sample collection from
Meat (all types of						the deep layers
butchers):						ene deep idyers
*	10	1.0	25			
becamea meat in	± 0	±••	20			L. monocytogenes in 25 g
carcases, half						are not allowed
carcasses, quarter						
carcasses,						
junctures						
- slightly frozen	1 x 1E3	0.1	25	-	-	the same
meat in carcases,						
half carcasses,						
quarter carcasses,						
junctures						
-				-	-	by Resolution No. 30 of
Chief State Sanitar				ied zo	.03.2000	1
- chilled meat in	3	0.1	25			L. monocytogenes in 25 g
carcases, half	1 x 10					are not allowed. For pro-
carcasses, quarter						ducts with the shelf life
carcasses,						of not more than 7 days
junctures						bacteria of the genus
						Proteus in 0.1 g are not
						allowed. For production
						_
						of baby food, dietary
						(curative and
						prophylactic) food
						products bacteria of the
						genus Proteus in 1.0 g
						are not allowed
(introduced by Amer	dments and	Additior	ns No.	9, ap	proved b	by Resolution No. 30 of
Chief State Sanitar						
- chilled meat in	4	0.01		1 x 3		L. monocytogenes in 25 g
junctures (boneless	1 x 10			10		are not allowed.
or with bone),				-		Sulfite-reducing
vacuum-packed or						clostridia in 0.01 g are
-						5
in modified gas						not allowed
atmosphere	L	1	I	1		
						by Resolution No. 30 of
Chief State Sanitar			RF da	ted 23	.05.2008	3)
1.1.1.2.	1 x 1E4	0.01	25	-	-	L. monocytogenes in 25 g
Frozen meat of						are not allowed
butchers:						
- in carcases,						
half carcasses,						
quarter carcasses,						
junctures		0 0 0 1	0.5			
- With bone,	5 x 1E5	0.001	25			the same
boneless, trimmed						
meat blocks						
- meat mass after	5 x 1E6	0.0001	25			the same
butcher deboning						sample preparation
		1	1			pampic proparación

1	i		I	1	1		
							without flame cleaning of
							the surface
1.1.1.3.							
Boneless meat							
semi-manufactured							
products (chilled,							
slightly frozen,							
frozen), including							
marinated:							
- large-sized	5 x	1E5	0.001	25	_	_	L. monocytogenes in 25 g
							are not allowed
- small-sized	1 x	1E6	0.001	25	_	-	the same
1.1.1.4.		-		-			
Chopped meat semi-							
manufactured							
products (chilled,							
frozen):							
- formed,	5 v	1E6	0.0001	25	_	500 <*>	L. monocytogenes in 25 g
	5 7	THO	0.0001	20		000 ()	L. Monocycogenes in 25 g
including bread-							are not allowed;
crumbed							<*> for semi-manufactured
							products with the shelf
	0	1 - 6	0 0 0 0 1	0.5			life of more than 1 month
- Semi-	2 x	1E6	0.0001	25			L. monocytogenes in 25 g
manufactured							are not allowed;
products in dough							<*> for semi-manufactured
coating,							products with the shelf
stuffed (cabbage							life of more than 1 month
rolls,							
marrows),							
chopped meat							
containing semi-							
manufactured							
products							
1	ndme:	nts and	Addition	ns No.	18. a	pproved	by Resolution No. 71 of
Chief State Sanita							
- minced beef,	5 x			25			L. monocytogenes in 25 g
pork, from meat of							are not allowed
other butchers							
1.1.1.5.	5 x	1E6	0.0001	25	_	_	L. monocytogenes in 25 g
Meat-bone semi-		-					are not allowed
manufactured							are not arrowed
products (large-							
sized, chops,							
small-sized)							

Index, Group of Products	Indicators	Permissible Levels, mg/kg, not more than	Note		
1	2	3	4		
Chilled, frozen offal of	Toxic elements: lead	0.6			
butchers (liver, kidneys, tongue, brains, heart), pork skin, alimentary blood and products of processing thereof	arsenic	1.0 1.0 0.3	kidneys		
	mercury	1.0 0.1 0.2	kidneys kidneys		
	11101010100100,	according to Clause 1.1.1			
	Dioxins <****>:	0.000006	liver and its products (in terms of fat)		
(as amended by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)					

Microbiological indicators:						
Index, group of	QMAFAnM,	Mass of products			Moulds,	Note
products	CFU/g, not				CFU/g not	
-	more than	-			more than	
		allow	ed			
		Colif	Sulfit	Pathog		
				enic,		
		bacte	reduci	-		
				ing		
		-	clostr	2		
				ella		
)	1010	0110		
1	2	3	4	5	6	7
1.1.2.1.				25		sample
Chilled, frozen,						preparation
frozen in blocks						with flame
offal of						cleaning of the
slaughter						frozen blocks;
cattle, pork						L. monocyto-
skin						genes in 25 g
						are not allowed
1.1.2.2.	5 x 1E5	0.1	1.0	25	-	S. aureus in 1
Alimentary blood						g are not
						allowed
1.1.2.3.						
Products						
of blood						
processing:						
	2.5 x 1E4	0.1	1.0	25		S. aureus and
						Proteus in 1 q
						are not allowed
- dry	5 x 1E4	0.1	1.0	25		
concentrate of						
blood plasma						
(serum)						

Index, Group of	Indicators	Permissible Levels,	Note			
Products		mg/kg, not more than				
1	2	3	4			
1.1.3.	See Section "Oily	Raw Material and Fat	Products",			
Beef, pork,	Clause 1.7.4					
mutton, and	Dioxins <****>:	0.000003	beef, mutton (in			
other butchers			terms of fat)			
raw tallow		0.000001	pork (in terms			
(chilled,			of fat)			
frozen), salted						
pork fat and						
products thereof						
_		tions No. 10, approved pector of the RF dated	_			
1.1.4.	Toxic elements:					
Sausage products	lead					
<***>,products	arsenic	0.5				
from meet of all	cadmium	0.1				
butchers,	mercury	0.05				
culinary		0.03				
products from	Benz (a) pyrene	0.001	for smoked			
meat			products			
	Antibiotics,	according to Clause				
	pesticides and	1.1.1				
	radionuclides	* • * • *				
	Nitrosamines: Sum		for smoked			
	of N-	0.002	products			
	Nitrosodimethylam	0.004				
	ine and N-					
	Nitrosodiethylami					
	ne					
	Dioxins <****>:	0.000003	from beef,			
			mutton (in terms			
			of fat)			
		0.000001	from pork (in			
			terms of fat)			
(as amended by Amendments and Additions No. 10, approved by Resolution						
No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)						
	Microbi	ologic	al ind:	icator	s:	
-------------------------------------	--------------	----------	-----------	----------	-------------	----------------------------------
Index, group of	QMAFAnM,	Mass 🛛	of prod	ucts	(g) in	Note
products	CFU/g, not			dicato	or is not	
	more than	allow	1	1	1	
		Colif	Sulfit	S.aur	Pathogen	
		-	e-	eus	ic,	
			reduci		includin	
			ng		g	
			clostr		salmonel	
		forms	idia		la	
1	2)	4	-	C	7
	2	3 0.1	4 0.01	5 1.0	6 25	/
1.1.4.1.		0.1	0.01	1.0	20	E. coli - in 1
Sausages and						g are not
products from butchers meat, raw						allowed; L.
smoked and raw						monocytogenes in 25 g are not
cured, including						allowed
cut and vacuum-						arrowed
packaged						
1.1.4.2.	-	1.0	0.01	1.0	25	L.
Semi-smoked and					-	monocytogenes
cooked and smoked						in 25 g are not
sausages						allowed
1.1.4.3.		1.0	0.1	1.0	25	L.
Cooked and smoked						monocytogenes
and semi-smoked						in 25 g are not
sausages the shelf						allowed
life of which						4110.004
exceeds 5 days,						
including cut and						
vacuum-packaged,						
in modified						
atmosphere						
1.1.4.4.	1 x 1E3	1.0	0.01	1.0	25	L. monocyto-
Cooked sausage						genes in 25 g
products						are not allowed
(sausages, sausage						in sausage
rolls,						rolls and
frankfurters, meat						frankfurters
loaves) - of the						
best and first						
category, without						
a category						
(as amended by Amer						
No. 71 of Chief Sta						28.06.2010)
- of the second	2.5 x 1E3	1.0	0.01	1.0	25	L.
and third category						monocytogenes
						in 25 g are not
	I,				I	allowed
(as amended by Amer						
No. 41 of Chief Sta						
Amendments and Addi				-		NO. /1 Of Chief
State Sanitary Insp	1	1	1	1	2010) 25	т
1.1.4.5.		1.0	U. 1	1.0	20	L.
Cooked sausages						monocytogenes
with addition of preserving agents,						in 25 g are not allowed
including						attowed
delicatessen						
UETTCALESSEII	I	1	I	I	I	I
(as amended by Amer	ndments and	Addit	ions No	. 18,	approved	by Resolution
No. 71 of Chief Sta	ate Sanitary	/ Inspe	ector o	f the	RF dated	28.06.2010)
1.1.4.6.	1 x 1E3	1.0	0.1	1.0	25	L.
Cooked sausages	<*>					monocytogenes
the shelf life of						in 25 g are not
	•	•	•	•	•	

which exceeds 5 allowed days, cut and vacuum-packaged, in modified atmosphere (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) 1 x 1E3 1.0 0.1 25 1.1.4.7. Ц. Cooked meat monocytogenes products: gammon, in 25 g are not allowed pork and beef rolls, pressed beef and pork, ham, bacon, pressed meat of pork heads, mutton in a form (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) 1 x 1E3 1.0 0.1 25 1.1.4.8. Smoked and cooked monocytogenes meat products: in 25 g are not gammons, rolls, allowed daisy, brisket, neck, pork cured fillet and in coating (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) 1.0 0.01 25 1 x 1E3 - cheek meat L. (whiskers), fore monocytogenes shank in 25 g are not allowed (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) 1 x 1E3 1.0 0.1 25 1.1.4.9. L. Smoked and baked, monocytogenes baked meat in 25 g are not products allowed (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) 1.0 25 1.1.4.10. Cooked, 1 x 1E3 0.1 1.0 L. <*> baked, cooked and monocytogenes baked products the in 25 g are not shelf life of allowed which exceeds 5 days, including cut and vacuumpackaged, in modified atmosphere (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) 0.01 0.1 1 x 1E4 25 1.1.4.11. Meat L. ready-to-eat monocytogenes meals, quickin 25 g are not frozen: allowed - from meat chops of all types of butcher meat (without sauces), fried, boiled

(as amended by Amer No. 71 of Chief Sta					
	2 x 1E4	0.01	0.1	25	L. monocytogenes in 25 g are not allowed
etc.					

Index, Group of	Indicators	Permissible Levels,	Note		
Products		mg/kg, not more			
1	2	3	4		
<pre>1.1.5. Meat products with the use of by- products (pates, liver sausages, headcheese, broth jelly, etc.) and blood. Cooked products with the use of</pre>	Toxic elements:	according to Clause 1.1.2			
by-products, blood, chilled	Benz(a)pyrene and nitrosamines	according to Clause 1.1.4			
and frozen (meat loaves, sausage, broth jellies, liver sausage, galantine)	Antibiotics, pesticides and radionuclides	according to Clause 1.1.1			
94241021107	Dioxins <****>:	according to Clause 1.1.2			
(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003, No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)					

		iologi				NT - t
Index, group of	QMAFAnM,		of prod		Note	
products	CFU/g, not	which	the in			
	more than	allow	ed			
	Ĩ	Colif	Sulfit	S.aureu	Pathoge	
		orm	e-	s	nic,	
			-	-		
			reduci		includi	
		ria -	ng		ng	
		(coli	clostr		salmone	
		forms	idia		lla	
)			-	
1	2	3	4	5	6	7
1.1.5.1.	2 x 1E3	1.0	0.01	- <*>	25	<*> for pro-
Blood sausages						ducts, the
Diood Sausages						shelf life of
						which exceeds 2
						days: S. aureus
						in 1.0 g is not
						allowed;
						sulfite-
						reducing
			1			clostridia in
						0.1 g are not
						allowed
1.1.5.2.	2 x 1E3	1.0	0.1	- <*>	25	<*>
	2 11 110	1.0	•••		20	S. aureus in
Headcheese,						
salceson						1.0 g are not
salceson (as amended by An No. 71 of Chief S				of the H		allowed by Resolution
(as amended by An						allowed by Resolution
(as amended by An No. 71 of Chief S 1.1.5.3.	State Sanita	ry Ins	pector	of the H	RF dated	allowed by Resolution 28.06.2010) <*> for products, the shelf life of which exceeds 2 days: S. aureus in 1.0 g are not allowed; sulfite- reducing clostridia in
(as amended by An No. 71 of Chief S 1.1.5.3.	State Sanita	ry Ins	pector	of the H	RF dated	allowed by Resolution 28.06.2010) <*> for products, the shelf life of which exceeds 2 days: S. aureus in 1.0 g are not allowed; sulfite- reducing clostridia in 0.1 g are not - allowed <*> for products, the shelf life of which exceeds 2 days: S. aureus in 1.0 g are not allowed; L. monocytogenes in 25 g are not
(as amended by An No. 71 of Chief S 1.1.5.3. Liver sausage 1.1.5.4. Pates from liver and (or) meat, including in coatings	State Sanita: 2 x 1E3 1 x 1E3	ry Ins 1.0	0.01 0.1	of the F	25 25	allowed by Resolution 28.06.2010) <*> for products, the shelf life of which exceeds 2 days: S. aureus in 1.0 g are not allowed; sulfite- reducing clostridia in 0.1 g are not - allowed <*> for products, the shelf life of which exceeds 2 days: S. aureus in 1.0 g are not allowed; L. monocytogenes in 25 g are not allowed
(as amended by An No. 71 of Chief S 1.1.5.3. Liver sausage 1.1.5.4. Pates from liver and (or) meat, including in	State Sanita: 2 x 1E3 1 x 1E3 nendments and	ry Ins 1.0	0.01 0.1	of the F	25 25 pproved 1	allowed by Resolution 28.06.2010) <*> for products, the shelf life of which exceeds 2 days: S. aureus in 1.0 g are not allowed; sulfite- reducing clostridia in 0.1 g are not - allowed <*> for products, the shelf life of which exceeds 2 days: S. aureus in 1.0 g are not allowed; L. monocytogenes in 25 g are not allowed oy Resolution

1.1.5.5.	2	Х	1E3	0.1	0.1	0.1	25	the same
Jellied meat								
products (broth								
jellies, aspic,								
galantines, etc.)								

Index, Group of	Indicators	Permissible Levels,	Note			
Products		mg/kg, not more				
1	2	3	4			
1.1.6.	Toxic elements:					
Canned meat,	lead	o _ F				
meat and cereal		0.5 1.0				
<***>		1.0	for canned food			
			in assembled tin container			
	arsenic	0.1	container			
	cadmium	0.05				
		0.1	for canned food			
			in assembled tin			
			container			
	mercury	0.03				
	stannum	200.0	for canned food			
			in assembled tin			
			container			
	chrome	0.5	for canned food			
			in assembled tin			
			container			
	Pesticides <**>:	0.1				
	Hexachlorocyclohe					
	xane					
	(alpha-, beta-,					
	gamma-isomers)	0 1				
	DDT and its	0.1				
	metabolites					
	Nitrosamines:	0.002 <*>	(th) C 1			
	Sum of N-	0.002 <^>	<*> for canned			
	Nitrosodimethylam		food with the			
	ine and N-		use of sodium			
	Nitrosodiethylami		nitrite			
	ne Nitrates	200	meat and cereal			
	NICIACCS	200	with vegetables			
	Radionuclides	according to Clause	with vegetables			
		1.1.1				
	Dioxins	according to Clause				
	<***>:					
(as amended by Ar	mendments and Addi	tions No. 10, approve	d by Resolution			
		pector of the RF date				
			,			
	Microbiological in	ndicators:				
Index, Group of						
Products						
1.1.6.1.	Shall satisfy requ	irements for industr:	ial sterility for			
Pasteurized		oup "D" in accordance				
canned food:	these Sanitary Rul					
 from beef and 						
pork						
- chopped and						
Lyubitelskaya						
ham						
1.1.6.2.	Shall satisfy requ	irements for industr	ial sterility for			
Sterilized		oup "A" in accordance				
canned food from	these Sanitary Rul					
beef, pork,	_					
horse meat,						
etc.:						
- natural						
- with cereal,						
vegetable						
garnish						

Index, Group of	Indicators	Permissible Levels,	Note
Products		mg/kg, not more	
1	2	3	4
1.1.7.	Toxic elements:		
Canned food from			
by-products,	lead	0.6	
including pate		1.0	for canned food
canned food			in assembled tin
(from all types			container
of butcher and fur-bearing	arsenic	1.0	
animals)	cadmium	0.3 0.6	
	mercury	0.1	kidneys
	mercury	0.2	kidneys
	stannum	200.0	for canned food
			in assembled tin
	Chrome	0.5	for canned food
			in chromed
			containers
	Nitrosamines: Sum	0.002	
	Nitrosodimethylam		
	ine and N-		
	Nitrosodiethylami		
	ne		
	Antibiotics,	according to Clause	
	pesticides and	1.1.1	
	radionuclides		
	Microbiological	Sterilized canned for	d shall satisfy
	indicators:	requirements for indu for canned food of gr accordance with Anney Sanitary Rules	astrial sterility coup "A" in
			1
	Dioxins <****>:	according to Clause 1.1.2	
-		tions No. 10, approve pector of the RF date	-
1.1.8. Meat of sublimation drying and heat dehydration	Toxic elements	according to Clause 1.1.1	in terms of original product subject to content of dry substances in it and final product
	Nitrosamines: sum	0.002	
	of N- Nitrosodimethylam		
	ine and N- Nitrosodiethylami		
	ne Antibiotics,	according to Clause	
	pesticides and radionuclides	1.1.1	

Dioxins	according to Clause	
<***>:	1.1.1	

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003, No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

Microbiological indicators:						
Index, group of products	CFU/g,	-		nourus,	Note	
		bacteria	Pathogenic including salmonella			
1.1.8.1. Dry food concentrates from meat or by- products	2.5 x 1E4	1.0	25	100		

Index, Group of	Indicators	Permissible Levels,	Note
Products		mg/kg, not more	
1	2	3	4
1.1.9.	Toxic elements:		
Poultry,	lead		
including semi-		0.5	
manufactured	arsenic	0.1	
products,	cadmium	0.05	
chilled, frozen	mercury	0.03	
(all types of	Antibiotics (excep	ot for wild birds) <*>	>:
poultry for	laevomycetin	0.01	Expiring on
slaughter, wild	(chloramphenicol)		01.01.2012.
fowl)		0.0003	Shall become
			effective since
			01.01.2012.
	tetracycline	0.01	
	group		
	bacitracin	0.02	
			-

(as amended by Amendment No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011)

Pesticides <**>: Hexachlorocyclohe	0 1	
xane	0.1	
(alpha-, beta-,		
gamma-isomers),		
DDT and its	0.1	
metabolites		
Dioxins	0.000002	poultry (in
<*** >:		terms of fat)

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003, No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008, No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)

	Micro	biological ir	ndicators:	
Index, group of	QMAFAnM,	Mass of proc	lucts (g) in	Note
products	CFU/g, not	which the ir	ndicator is	
	more than	not allowed		
		Coliform	Pathogenic	
		bacteria –	including	
		(coliforms)	salmonella	
1	2	3	4	5
1.1.9.1.				Sample collection
Poultry carcass				from the deep layers
and meat				of muscles
- chilled	1 x 1E4		25	L. monocytogenes in
-				25 g are not allowed
- frozen	1 x 1E5		25	L. monocytogenes in
				25 g are not allowed
- packaged,	5 x 1E5		25	the same
chilled, slightly				
frozen, frozen				
1.1.9.2.				
Natural semi-				
manufactured				
products from				
poultry meat:	1 1		0.5	
- sludge and bone,	1 x 1E5		25	L. monocytogenes in
boneless without				25 g are not allowed
coating				
- sludge and bone,	1 x 1E6		25	the same
boneless with				
coating, with				
spices, sauce,				
marinated				
- lump boneless	1 x 1E6		25	the same
meat in blocks				
(as amended by Amer	ndments and A	Additions No.	2, approved	by Resolution No. 41
of Chief State San:				
1.1.9.3.	1	1	1	I
Chopped semi-				
manufactured products from				
poultry meat				
(chilled, slightly				
frozen, frozen):				
- in dough	1 x 1E6	0.0001	25	L. monocytogenes in
coating,	I A ILO	0.0001	23	25 g are not allowed
- in natural	1 x 1E6		25	the same
coating, including	I A ILO		23	che sume
kupaty - in coating and	1 x 1E6		25	the same
without it				
1.1.9.4.	1 x 1E6		25	T monocritorente in
			2.5	L. monocytogenes in
Mechanically				25 g are not allowed
separated poultry meat, bone				
residue, chilled,				
frozen in blocks, frozen semi-				
manufactured bone				
products. 1.1.9.5.	1 x 1E6	-	25	the come
	T X TEO		20	the same
Poultry skin	I	1		1

Index, group of products	Indicators	Permissible Levels, mg/kg, not more	Note		
1.1.10 Poultry offal, semi- manufactured products from them	Toxic elements: lead arsenic cadmium mercury	0.6 1.0 0.3 0.1			
	Antibiotics, pesticides	according to Clause 1.1.9			
	Dioxins <****>:		poultry liver (in terms of fat)		
(as amended by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008, No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)					

		Mass of prod which the in allowed	Note		
		Coliform bacteria - (coliforms)	Pathogenic including salmonella		
1.1.10.1. Poultry offal, semi- manufactured products from them	1 x 1E6	-	25	L. monocytogenes in 25 g are not allowed	

Index, Group of	Indicators	Permissible Levels,	Note	
Products		mg/kg, not more		
1	2	3	4	
1.1.11.	Toxic elements:			
Sausage products, smoked products, culinary	Lead Arsenic Cadmium Mercury	0.5 0.1 0.05 0.03		
products with the use of	Benz (a) pyrene	0.001	for smoked products	
	Nitrosamines: Sum of N- Nitrosodimethylam ine and N- Nitrosodiethylami ne	0.002 0.004	for smoked products	
	Antibiotics, pesticides	according to Clause 1.1.9		
	Dioxins <****>:	according to Clause 1.1.9		
(as amended by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008, No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)				

Index, group of products	QMAFAnM, CFU/g, not more than			Note		
		orm bacte ria -	reduci ng clostr	au- reus	Pathogeni c, including salmo- nella	
1	2	3	4	5	6	7
1.1.11.1. Sausage products raw cured, raw smoked		0.1	0.01	1.0	25	E. coli - in 1.0 g are not allowed; L. monocytogenes in 25 g are not allowed
1.1.11.2. Sausage products, raw cured, raw smoked, cut and vacuum- packaged, in modified atmosphere		0.1	0.1	1.0	25	E. coli - in 1.0 g are not allowed; L. monocytogenes in 25 g are not allowed
1.1.11.3. Semi- smoked sausage products	-	1.0	0.01	1.0	25	
- cut and vacuum- packaged, in		1.0	0.1	1.0	25	

modified	ĺ							
atmosphere								
1.1.11.4. Cooked	1	x	1E3	1.0	0.1	1.0	25	L. monocyto-
sausage products								genes in 25 g
(sausages, meat								are not allowed
loaves, sausage								for sausage
rolls,								rolls and
frankfurters, meat								frankfurters
rolls, ham, etc.)								
1.1.11.5. Cooked	-			1.0	0.1	1.0	25	
and smoked								
sausages								
1.1.11.6. Poultry	1	Х	1E3	1.0	0.1	1.0	25	
carcasses and								
parts thereof and								
baked, cooked and								
smoked, smoked								
products								
1.1.11.7. Poultry	1	Х	1E3	1.0	0.1	1.0	25	E. coli in 1.0
carcasses and								g are not
parts thereof and								allowed L.
raw smoked and raw								monocytogenes
cured products								in 25 g are not
								allowed
1.1.11.8. Culinary	1	X	1E3	1.0	0.1	1.0	25	
products from								
chopped meat								
1.1.11.9. Ready-	1	X	1E4	0.1		1.0	25	Enterococcus
to-eat quick								not more than 1
frozen meals from								x 1E3 CFU/g
poultry: - fried,								
boiled								
- from chopped	2	X	1E4	0.1	-	1.0	25	the same
meat with sauces								
and/or garnish	1							
(as amended by Amer								-
No. 41 of Chief Sta	ate	e S	anitary	Inspe	ector o	f the	e RF dated	15.04.2003)

Index, Group of Products	Indicators	Permissible Levels, mg/kg, not more	Note			
1	2	3	4			
1.1.12. Meat products with the use of poultry by-	Toxic elements	according to Clause 1.1.10				
products, skin (pates, liver sausages, etc.)	Benz(a)pyrene and nitrosamines	according to Clause 1.1.4				
	Antibiotics, pesticides	according to Clause 1.1.9				
	Dioxins <***>:	according to Clause 1.1.10				
(as amended by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008, No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)						

	Microbi	ologic	al ind:	icato	rs:		
Index, group of	QMAFAnM,	QMAFAnM, Mass of products (g) in					
products	CFU/g, not	which	the in	dicat	cor is not		
	more than	allow					
		Colif	Sulfit	S.au	Pathogeni		
		orm	e-	reus	с,		
			reduci		including		
		ria -	-		salmonell		
		(coli			a		
			stri-				
		,	dia				
1	2	3	4	5	6	7	
1.1.12.1. Pates	2 x 1E3	1.0	0.1	1.0	25	L.	
from poultry,						monocytogenes	
including the ones						in 25 g are not	
produced with the						allowed	
use of giblets							
1.1.12.2. Pates	5 x 1E3	1.0	0.1	0.1	25	L.	
from poultry liver						monocytogenes	
						in 25 g are not	
	0 170	1 0	0 1	1 0	0.5	allowed	
1.1.12.3. OCTIEC	2 x 1E3	1.0	0.1	1.0	25		
products from							
poultry:							
headcheese, broth							
jelly,							
galantine, etc.,							
including made							
dishes with the							
use of meat of							
butcher animals	5 x 1E3	1.0	0.1	1.0	25		
1.1.12.4. Liver	J A LEJ	1.0	0.1	1.0	2.5		
sausages from							
poultry and by-							
products						1	

Index, Group of	Indicators	Permissible Levels,	Note
Products		mg/kg, not more	
1	2	3	4
1.1.13.	Toxic elements:		
Poultry canned	lead	0.5	
food (from		0.6	Pates
poultry and meat		1.0	for canned food
and cereal <*>,			in assembled tin
including pates			container
and minced meat)	arsenic	0.1	
,		1.0	Pates
	cadmium	0.05	
		0.3	Pates
		0.1	for canned food
			in assembled tin
			container
	mercury	0.03	
		0.1	Pates
	stannum	200.0	Pates for canned
			food in
			assembled tin
			container
	chrome	0.5	The same
	Nitrosamines: sum	0.002	
	of N-		
	Nitrosodimethylam		
	ine and N-		
	Nitrosodiethylami		

	ne				
	Pesticides <**>:	0.1			
	Hexachlorocyclohe				
	xane				
	(alpha-, beta-,				
	gamma-isomers),				
]	DDT and its				
1	metabolites				
]	Nitrates	200	Meat and cereal		
	Antibiotics,	according to Clause			
	pesticides	1.1.9			
		according to Clause			
ŀ	<***>:	1.1.9			
(as amended by Amendments and Additions No. 10, approved by Resolution					
No. 43 of Chief S	tate Sanitary Insp	pector of the RF dated	d 16.07.2008, No.		

No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008, No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)

	Microbiological indicators:	
Index, group of products		
1.1.13.1. Pasteurized poultry canned food	Shall satisfy requirements for industrial sterility : canned food s of group "D" in accordance with Annex ; to these Sanitary Rules	
1.1.13.1. Pasteurized poultry canned food with and without vegetable additives, including pates	Shall satisfy requirements for industrial sterility canned food of group "A" in accordance with Annex 8 these Sanitary Rules	

		1		
Index, Group of	Indicators	Permissible Levels,	Note	
Products		mg/kg, not more		
1	2	3	4	
1.1.14. Poultry products of sublimation drying and heat dehydration	Toxic elements	according to Clause 1.1.9	In terms of original product subject to content of dry substances in it	
-			and final product	
		according to Clause 1.1.13		
	Antibiotics,	according to Clause 1.1.9		
		according to Clause 1.1.9		
(as amended by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008, No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)				

	Microbiological indicators:					
Index, group of products		Mass of produ which the ind allowed	Note			
		Coliform bacteria - (coliforms)	aure-	Pathogeni c, including salmo- nella		
1	2	3	4	5	6	
1.1.14.1. Chicken minced meat of sublimation drying	1 x 1E4	0.01	0.1	25	Proteus in 1 g are not allowed	
1.1.14.2. Chicken minced meat of heat dehydration	5 x 1E3	0.1	0.1	25	the same	
1.1.14.3. Dry products from poultry meat;	1 x 1E4	0.1	0.01	25	the same	

Index, Group of	Indicators	Permissible Levels,	Note
Products		mg/kg, not more	
1	2	3	4
1.1.15.	Toxic elements:		
Eggs and liquid	lead	0.3	
egg products	arsenic	0.1	
(egg melange,	cadmium	0.01	
white, yolk)	mercury Antibiotics <*>:	0.02	
	laevomycetin	0.01	Expiring on
	(chloramphenicol)		01.01.2012.
		0.0003	Shall become
			effective since
			01.01.2012.
	tetracycline	0.01	
	group		
	bacitracin	0.02	
_	mendment No. 24, a nspector of the RF Pesticides <**>:	pproved by Resolution dated 01.06.2011)	No. 79 of Chief
	Hexachlorocyclohe	0.1	
	xane		
	(alpha-, beta-,		
	gamma-isomers)		
	DDT and its -	0.1	
	metabolites		
	Dioxins	0.000003	Hen eggs and
	<***>:		products thereof
			(in terms of
			fat)
(as amondod by A	I mondmonta and Addi	1	,
_		tions No. 10, approved	_
		pector of the RF dated	
		of Chief State Sanita:	ry inspector of
the RF dated 28.	UD.ZUIU)		

	Microbi	ologic	al ind	dicato	rs:	
Index, group of products	QMAFAnM, CFU/g, not more than	Mass o which allowe	the i		Note	
		Colif orm bacte ria - (coli forms)	aureu s		Pathogeni C, including salmonell a	
1	2	3	4	5	6	7
1.1.15.1. Dietary hen, quail egg	1 x 1E2	0.1	_	_	<*>	<*> the analysis shall be carried out for yolks
1.1.15.2. Hen eating egg and eggs of other birds	5 x 1E3	0.01	-	-	5 x 25 <*>	<*> the same
1.1.15.3. Liquid egg products: - egg mixtures for omelette, filtered, pasteurized	1 x 1E5	0.1	1.0	1.0	25	
- frozen: egg melange, white, yolk, including with salt and sugar, mixtures for omelette	5 x 1E5	0.1	1.0	1.0	25	

Index, Group of	Indicators	Permissible Levels,	Note				
Products		mg/kg, not more					
1	2	3	4				
1.1.16.	Toxic elements:						
Dry egg	lead						
products (egg powder, white, yolk)	arsenic cadmium mercury	3.0 0.6 0.1 0.1					
	Antibiotics, pesticides	according to Clause 1.1.15	In terms of original product subject to content of dry substances in it and final product				
	Dioxins <****>:	according to Clause 1.1.15					
-	(as amended by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF						
		by Resolution No. 71 of the RF dated 28.06					

Microbiological indicators:						
Index, group of	QMAFAnM,	Mass of	product	s (g)	in which	Note
products	CFU/g, not	the ind:	icator i	s not	allowed	
	more than	Colifor		Pro-	Pathogeni	
		m	aureus	teus	с,	
		bacteri			including	
		a –			salmo-	
		(colifo			nella	
		rms)				
1.1.16.1. Egg	5 x 1E4	0.1	1.0	1.0	25	
powder, egg						
melange for						
enteral nutrition						
products					-	
1.1.16.2. Dry egg	1 x 1E5	0.1	1.0	1.0	25	
melange, white,						
yolk, mixtures						
for omelette						
1.1.16.3. Egg						
products of						
sublimation						
drying						
- yolk	5 x 1E4	0.01	1.0	-	25	
- white,	1 x 1E4	0.1	1.0	-	25	
albumin						

Index, Group of Products	Indicators	Permissible Levels, mg/kg, not more	Note				
1.1.17. Dry egg white	Toxic elements:						
(albumin)	lead	0.5					
	arsenic cadmium mercury	0.2 0.05 0.03					
	Antibiotics, pesticides	according to Clause 1.1.15	In terms of original product subject to content of dry substances in it and final product				
	Microbiological indicators	according to Clause 1.1.16.3					
No. 41 of Chief 18, approved by 1	(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003, No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)						

<*> It is also required to control residual quantities of the antibiotics used for production of food raw material (see Clause 3.15).

(the note is amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

<*> It is also required to control residual quantities of the pesticides used for production of food raw material (see Clauses 3.12, 3.13).

<***> For sausage products and meat and cereal canned food the calculation of safety indicators shall be made for the basic type(s) of raw material, both by the mass fraction and by permissible levels of controlled contaminants.

Note:

<****> the maximum level shall not be applied to products containing less than 1% of fat;

- hereinafter dioxins shall be understood to represent the sum of polychlorinated dibenzo-p-dioxins (PCDD) and polychlorinated dibenzofurans (PCDF), expressed as a sum of toxic equivalency factors (TEF) according to the WHO scale (WHO-TEFs):

Congener	TEF Value
Dibenzo-p-dioxin (PCDD)	
2,3,7,8-Tetrachlorodibenzodioxin	1
1,2,3,7,8-Pentachlorodibenzodioxin	1
	1
1,2,3,4,7,8-Hexachlorodibenzodioxin	0.1
1,2,3,4,7,8-Hexachlorodibenzodioxin	0.1
1,2,3,7,8,9-Hexachlorodibenzodioxin	0.1
1,2,3,4,6,7,8-Heptachlorodibenzodioxin	0.01
Octachlorodibenzodioxin	0.0001
Dibenzofurans (PCDF)	
2,3,7,8-Tetrachlorodibenzofuran	0.1
1,2,3,7,8-Pentachlorodibenzofuran	0.05
2,3,4,7,8-Pentachlorodibenzofuran	0.5
1,2,3,4,7,8-Hexachlorodibenzofuran	0.1
	0.1
1,2,3,6,7,8-Hexachlorodibenzofuran	0.1
1,2,3,7,8,9-Hexachlorodibenzofuran	0.1
2,3,4,6,7,8-Hexachlorodibenzofuran	0.1
	0.01
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.01
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.01
Oktachlorodibenzofuran	0.0001

TOXIC EQUIVALENCY FACTORS (according to WHO scale) <*>

(the note was introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

_____ <*> 1 pg TEF means that this is a mixture of PCDD and PCDF which corresponds to 1 pg of 2,3,7,8-Tetrachlorodibenzodioxin (TCDD).

_ -

1.2. Milk and Milk Products

products 1 1.2.1. Milk, raw and heat treated cream,	2 Toxic elements:	mg/kg(l), not more than 3	4
Milk, raw and heat treated cream,	-		4
Milk, raw and heat treated cream,	-		4
Milk, raw and heat treated cream,	Toxic elements:		
Milk, raw and neat treated cream,	101110 0101100.		
neat treated cream,	lead		
cream,	arsenic	0.1	
•		0.05	
	cadmium		
outtermilk, milk	mercury	0.03	
whey, liquid		0.005	_
fermented milk	Mycotoxins:	0.0005	
products,	aflatoxin M1		
including	Antibiotics <*>:		
yoqhurt, sour	laevomycetin	0.01	Expiring on
cream, milk	(chloramphenicol)		01.01.2012.
pased drinks		0.0003	Shall become
Jased drinks			effective since
			01.01.2012.
		0.01	01.01.2012.
	tetracycline	0.01	
	group		
	penicillins	0.004	
	streptomycin	0.2	
State Sanitary I	nspector of the RF	dated 01.06.2011)	milk and raw
	_		
	substances:	0.05	cream
	Pesticides <**>:		Milk,
	Hexachlorocyclohe		buttermilk, mill
	xane		whey, liquid
	(alpha-, beta-,		fermented
	gamma-isomers)		liquid milk
	-		products, milk
			based drinks,
		1.25	cream, sour
		1.20	,
			cream in terms
			of fat
	DDT and its	0.05	Milk,
	metabolites		buttermilk, milk
			whey, liquid
			fermented
			liquid milk
			products, milk
		1 0	based drinks,
		1.0	cream, sour
			cream in terms
			of fat
	Radionuclides:		
	Caesium - 137	100	Bq/kg
	Strontium-9 0	25	the same
	Dioxins <***>:	0.000003	(in terms of
	DIOVIUO / /.		(in terms or fat)
			±uc)
		<u> </u>	
	Melamine	not allowed	< 1 mg/kg
	Ι	I	I
	mondmonto and 7-1-1-	tions No 10 approve	d by Resolution
No. 43 of Chief	State Sanitary Ins	pector of the RF date	ed 16.07.2008,
Amendments No. 1	State Sanitary Ins	pector of the RF date olution No. 56 of Chi	ed 16.07.2008,

	Microbio	logical indic	cators:	
(as amended by Amer No. 41 of Chief Sta				-
Index, group of products	QMAFAnM, CFU/cm3(g), not more than	Mass of prod cm3) in whic indicator is allowed	ucts (g, h the	Note
		Coliform bacteria – (coliforms)	Pathogeni c, including sal-	
-	-	-	monella	_
1	2	3	4	5
1.2.1.1. Raw milk: - of premium grade	3 x 1E5		25	somatic cells not more than 5 x 1E5
- of first grade	5 x 1E5		25	in 1 cm3 Somatic cells not more than 1 x 1E6 in 1 cm3
- of second grade	4 x 1E6	_	25	the same
<pre>1.2.1.2. Pasteurized milk, milk whey, buttermilk - in a consumer packaging - in cans and tanks 1.2.1.3.</pre>	1 x 1E5 2 x 1E5 1 x 1E5	0.01	25	S. aureus in 1 cm3 are not allowed; L. monocytogenes in 25 cm3 are not allowed S. aureus in 0.1 cm3 are not allowed; L. monocytogenes in 25 cm3 are not allowed
Pasteurized cream: - in a consumer packaging - in cans	2 x 1E5	0.01	25	S. aureus in 1 cm3 are not allowed; L. monocytogenes in 25 cm3 are not allowed S. aureus in 0.1 cm3 are not allowed; L. monocytogenes in 25 cm3 are not allowed
1.2.1.4.	2.5 x 1E3	1.0	25	artowed
Baked milk			Ē	
1.2.1.5. Sterilized milk				strial sterility consumer packaging
CCELTITOCA UNTIK				Sanitary Rules

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

Index, group of products	of lactic-	Mass of proc in which the not allowed			Yeast, moulds, CFU/cm3(Note
		Coliform bacteria - (coliforms)	S.aure us	Pathogen ic, includin g salmonel la	g), not more than	
1	2	3	4	5	6	7
1.2.1.6. Liquid fermented milk products, including yoghurt, with the shelf life of not more than 72 hours		0.01	1.0	25	1	
1.2.1.7. Liquid fermented milk products, including yoghurt, with the shelf life of more than 72 hours	not less than 1 x 1E7 <**>	0.1	1.0	25	50 <*>	<pre><*> except for drinks produced with the use of starters, containing yeast <**> for heat treated products the norms are not established</pre>
1.2.1.8. Liquid Fermented milk products, enriched with bifidobacteria, with the shelf life of more than 72 hours	not less than 1 x 1E7; bifidobact eria - not less than 1 x 1E6	0.1	1.0	25	50 <*>	<pre><*> except for drinks produced with the use of starters, containing yeast</pre>
1.2.1.9. Ryazhenka (fermented baked milk)	_	1.0	1.0	25	_	
1.2.1.10. Sour cream and products on its basis		0.001 <*>	1.0	25	50 <**> moulds -	<pre><*> for heat treated pro- ducts - 0.01; <**> for products with the shelf li- fe of more than 72 hours</pre>

Index, group	Indicators		issible		Note
of products			ls, mg/}	kg, not	
	2	more			
1	2	3			4
1.2.2.	Toxic elements	3:			
Curds and curd					
products, milk		0.3			
protein paste-		0.2			
like products	mercury	0.1			
	Mycotoxins: aflatoxin M1	0.000	05		
	Pesticides	1.25			in terms of fat
	<**>:				
	Hexachlorocycl	0			
	hexane				
	(alpha-, beta-				
	gamma-isomers)				
	DDT and its -	1.0			the same
	metabolites.				
	Antibiotics ar	d accor	rdina +	2	
	radionuclides		se 1.2.1		
	rauronucriues	CIAUS	JE 1.2.1	L	
	Dioxins <***>:	- accor	rdina +	2	
	DIOXIIIS < 2.		se 1.2.1		
(as amended by Resolution No. 16.07.2008)					r of the RF dated
	M 1		1 1	- 4	
(a a amondo d bas	Microbi				would be Decelution
	Amendments and	d Addit:	ions No	. 2, app	proved by Resolution
No. 41 of Chie	Amendments and f State Sanita	d Addit: .ry Insp	ions No Dector c	. 2, app	F dated 15.04.2003)
No. 41 of Chie Index, group of	Amendments and f State Sanita Mass of	d Addit: .ry Insp product	ions No pector c s (g)	2, app of the R Yeast,	F dated 15.04.2003) Note
No. 41 of Chie	Amendments and f State Sanita Mass of in which the	d Addit: .ry Insp product	ions No pector c s (g)	. 2, app of the R Yeast, moulds,	F dated 15.04.2003) Note
No. 41 of Chie Index, group of	Amendments and f State Sanita Mass of in which the not allowed	d Addit: ry Insp product e indica	ions No pector c s (g) ator is	2, app of the R Yeast, moulds, CFU/g,	F dated 15.04.2003) Note
No. 41 of Chie Index, group of	Amendments and f State Sanita Mass of in which the not allowed Coliform	d Addit: ry Insp product e indica S.aure	ions No pector c s (g) ator is patho-	2, app of the R Yeast, moulds, CFU/g, not mor	F dated 15.04.2003) Note
No. 41 of Chie Index, group of	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria	d Addit: ry Insp product e indica	ions No pector c s (g) ator is patho- genic,	2, app of the R Yeast, moulds, CFU/g,	F dated 15.04.2003) Note
No. 41 of Chie Index, group of	Amendments and f State Sanita Mass of in which the not allowed Coliform	d Addit: ry Insp product e indica S.aure	ions No pector c s (g) ator is patho- genic, includ	2, app of the R Yeast, moulds, CFU/g, not mor	F dated 15.04.2003) Note
No. 41 of Chie Index, group of	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria	d Addit: ry Insp product e indica S.aure	ions No bector c s (g) ator is patho- genic, includ ing	2, app of the R Yeast, moulds, CFU/g, not mor	F dated 15.04.2003) Note
No. 41 of Chie Index, group of	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria	d Addit: ry Insp product e indica S.aure	ions No bector c s (g) ator is patho- genic, includ ing salmon	2, app of the R Yeast, moulds, CFU/g, not mor	F dated 15.04.2003) Note
No. 41 of Chie Index, group of	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria	d Addit: ry Insp product e indica S.aure	ions No bector c s (g) ator is patho- genic, includ ing	2, app of the R Yeast, moulds, CFU/g, not mor	F dated 15.04.2003) Note
No. 41 of Chie Index, group of	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria	d Addit: ry Insp product e indica S.aure	ions No bector c s (g) ator is patho- genic, includ ing salmon	2, app of the R Yeast, moulds, CFU/g, not mor	F dated 15.04.2003) Note
No. 41 of Chie Index, group of products	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms)	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella	2, app of the R Yeast, moulds, CFU/g, not mor	F dated 15.04.2003) Note
No. 41 of Chie Index, group of products	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms)	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella	2, app of the R Yeast, moulds, CFU/g, not mor	F dated 15.04.2003) Note
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms)	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella	2, app of the R Yeast, moulds, CFU/g, not mor	F dated 15.04.2003) Note
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms)	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella	2, app of the R Yeast, moulds, CFU/g, not mor	F dated 15.04.2003) Note
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms)	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella	2, app of the R Yeast, moulds, CFU/g, not mor	F dated 15.04.2003) Note
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms)	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella	2, app f the R Yeast, moulds, CFU/g, not mor than 5	F dated 15.04.2003)
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours 1.2.2.2.	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms) 0.001	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app of the R Yeast, moulds, CFU/g, not mor	F dated 15.04.2003)
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms) 0.001	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app f the R Yeast, moulds, CFU/g, not mor than 5	F dated 15.04.2003)
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours 1.2.2.2. Curds and curd	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms) 0.001	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app f the R Yeast, moulds, CFU/g, not mor than 5	F dated 15.04.2003)
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours 1.2.2.2. Curds and curd products with	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms) 0.001	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app f the R Yeast, moulds, CFU/g, not mor than 5 - - yeast - 100 moulds	F dated 15.04.2003)
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours 1.2.2.2. Curds and curd products with the shelf life of more than 72	Amendments and f State Sanita Mass of in which the Ocliform bacteria (coliforms) 0.001	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app f the R Yeast, moulds, CFU/g, not mor than 5 - - yeast - 100 moulds	F dated 15.04.2003)
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours 1.2.2.2. Curds and curd products with the shelf life	Amendments and f State Sanita Mass of in which the Ocliform bacteria (coliforms) 0.001	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app f the R Yeast, moulds, CFU/g, not mor than 5 - - yeast - 100 moulds	F dated 15.04.2003)
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours 1.2.2.2. Curds and curd products with the shelf life of more than 72 hours, includir	Amendments and f State Sanita Mass of in which the Ocliform bacteria (coliforms) 0.001	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app f the R Yeast, moulds, CFU/g, not mor than 5 - - yeast - 100 moulds	F dated 15.04.2003)
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours 1.2.2.2. Curds and curd products with the shelf life of more than 72 hours, includir frozen	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms) 0.001 n 0.001	d Addit. ry Insp product e indica S.aure us3 0.1	ions No bector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app f the R Yeast, moulds, CFU/g, not mor than 5	F dated 15.04.2003)
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours 1.2.2.2. Curds and curd products with the shelf life of more than 72 hours, includir frozen	Amendments and f State Sanita Mass of in which the Ocliform bacteria (coliforms) 0.001	d Addit. ry Insp product e indica S.aure us3	ions No pector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app f the R Yeast, moulds, CFU/g, not mor than 5 - - 100 moulds 50 yeast	F dated 15.04.2003)
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours 1.2.2.2. Curds and curd products with the shelf life of more than 72 hours, includir frozen 1.2.2.3. Heat treated	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms) 0.001 n 0.001	d Addit. ry Insp product e indica S.aure us3 0.1	ions No bector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app f the R Yeast, moulds, CFU/g, not mor than 5 - - - 100 moulds 50 yeast and	F dated 15.04.2003) Note e
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours 1.2.2.2. Curds and curd products with the shelf life of more than 72 hours, includir frozen	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms) 0.001 n 0.001	d Addit. ry Insp product e indica S.aure us3 0.1	ions No bector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app f the R Yeast, moulds, CFU/g, not mor than 5 - - 100 moulds 50 yeast and moulds	F dated 15.04.2003) Note e
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours 1.2.2.2. Curds and curd products with the shelf life of more than 72 hours, includir frozen 1.2.2.3. Heat treated	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms) 0.001 n 0.001	d Addit. ry Insp product e indica S.aure us3 0.1	ions No bector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app f the R Yeast, moulds, CFU/g, not mor than 5 - - - 100 moulds 50 yeast and	F dated 15.04.2003) Note e
No. 41 of Chie Index, group of products 1.2.2.1. Curds and curd products with the shelf life of not more tha 72 hours 1.2.2.2. Curds and curd products with the shelf life of more than 72 hours, includir frozen 1.2.2.3. Heat treated	Amendments and f State Sanita Mass of in which the not allowed Coliform bacteria (coliforms) 0.001 n 0.001	d Addit. ry Insp product e indica S.aure us3 0.1	ions No bector c s (g) ator is patho- genic, includ ing salmon ella 25	2, app f the R Yeast, moulds, CFU/g, not mor than 5 - - 100 moulds 50 yeast and moulds	F dated 15.04.2003) Note e

1.2.2.4. Albumin mass from milk whey	0.1	0.1	100 moulds - 50	QMAFAnM - not more than 2 x 1E5 CFU/g, except for products produced with fermented
				with fermented milk microflora

Index, group of products	Indicators	Permissible levels, mg/kg, not	Note
1	2	more 3	4
T	2	5	4
1.2.3. Canned milk (milk, cream,	Toxic elements:		
buttermilk,	lead	0.3	
milk whey,	arsenic	0.15	
condensed milk	cadmium	0.1	
with sugar;	mercury	0.015	
condensed sterilized m- ilk)	stannum	200.0	for canned food in assembled tin containers
	chrome	0.5	for canned food in chromed containers
	Mycotoxins: aflatoxin M1	0.0005	
	Pesticides	according to Clause 1.2.2	
	Antibiotics	according to Clause 1.2.1	
	Radionuclides:		
	caesium - 137	300	Bq/kg
	strontium-90	100	the same
	Dioxins <***>:	according to Clause 1.2.1	
	Melamine	not allowed	< 1 mg/kg
Resolution No.	43 of Chief Stat	' Additions No. 10, ap te Sanitary Inspecto 5. 11, approved by F	or of the RF

dated 16.07.2008, Amendments No. 11, approved by Resolution No. 56 of Chief State Sanitary Inspector of the RF dated 01.10.2008)

Microbiological indicators: (as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)				
Index, group of products	QMAFAnM, CFU/g, not more than	Mass of prod in which indicator allowed Coliform bacteria -	lucts (g) the	Note
1.2.3.1. Condensed sterilized milk in cans	Shall satisfy requirements for industrial sterility for canned food of group "A" in accordance with Annex 8 to these Sanitary Rules			
1.2.3.2. Condensed milk with sugar: - in a consumer packaging - in a shipping packaging		1.0	25 25	
1.2.3.3. Condensed buttermilk, milk whey with sugar	5 x 1E4	1.0	25	
1.2.3.4. Cocoa, natural coffee with condensed milk and sugar, condensed cream with sugar	3.5 x 1E4	1.0	25	

Index, group of products		Permissible levels, mg/kg, not more	Note	
	Toxic elements, mycotoxins and antibiotics	according to Clause 1.2.1	in terms of reconstituted products	
drinks, ice- cream mixtures, whey and buttermilk	hexane (alpha-, beta-, gamma-isomers)	1.25	in terms of fat the same	
	Radionuclides: cesium-137 strontium-90	500 200	Bq/kg the same	
	Dioxins <***>:	according to Clause 1.2.1		
	Melamine	not allowed	< 1 mg/kg	
(as amended by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008, Amendments No. 11, approved by Resolution No. 56 of Chief State Sanitary Inspector of the RF dated 01.10.2008)				

(as amended k Resolution No.	41 of Chief	s and Ad	ditions Sanitary	No. 2, ap		
Index, group of products	QMAFAnM,	Mass of products (g) in which the indicator is			Note	
		Colifor m bacteri a - (colifo rms)	S. aureus	Pathogen ic, includin g salmo- nella		
1	2	3	4	5	6	
1.2.4.1. Dry whole cow milk	5 x 1E4	0.1	1.0	25		
1.2.4.2. Dry milk skimmed: - for direct consumption	5 x 1E4	0.1	1.0	25		
- for industrial processing	1 x 1E5	0.1	1.0	25		
1.2.4.3. Dry milk drinks	1 x 1E5	0.01	1.0	25	moulds - not more than 50 CFU/g	
1.2.4.4. Dry cream and sweetened dry cream	7 x 1E4	0.1	1.0	25		
1.2.4.5. Dry milk whey	1 x 1E5	0.1	1.0	25	yeast - not more than 50 CFU/g, moulds - not more than 100 CFU/g	
1.2.4.6. Dry buttermilk	5 x 1E4	0.1	1.0	25	yeast - not more than 50 CFU/g, moulds - not more than 100 CFU/g	

Index, group	Indicators	Permissible	Note
of products		levels, mg/kg, not	
		more	
1	2	3	4
1.2.5.	See Section "Oth	er Products", Claus	e 1.9.2
Milk protein			
concentrates,			
casein,			
caseinates,			
milk protein			
hydrolysates			
1.2.6. Cheeses	Toxic elements:		
(hard, semi-	lead		
hard, soft,		0.5	
brine and	arsenic	0.3	
cheese spread)	cadmium	0.2	
	mercury	0.03	
	Mycotoxins and	according to	
	antibiotics	Clause 1.2.1	
	Pesticides	according to	
		Clause 1.2.2	
	Radionuclides:		
	caesium - 137	50	Bq/kg
	strontium-90	100	the same
	Dioxins <***>:	according to	
		Clause 1.2.1	
-	43 of Chief Stat	dditions No. 10, ap e Sanitary Inspecto	

Microbiological indicators: (as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)				
Index, group of products		Mass of products (g) in which the indicator is not allowed Coliform Patho- bacteria - genic, (coliforms) includin g sal- monella		Note
1	2	3	4	5
1.2.6.1. Cheeses(hard, semi-hard, brine, soft)		mo: CFU moj in		S. aureus not more than 500 CFU/g L. monocytogenes in 25 g are not allowed
1.2.6.2. Cheese spreads				
- without any filling agents	5 x 1E3	0.1	25	moulds not more than 50 CFU/g, yeast not more than 50 CFU/g
- with filling agents	1 x 1E4	0.1	25	moulds not more than 100 CFU/g, yeast not more than 100 CFU/g

Index, group	Indicators	Permissible	Note
of products		levels, mg/kg, not	
		more	
1	2	3	4
1.2.7.	Toxic elements,	according to	
Milk based	mycotoxins,	Clause 1.2.1	
ice-cream	antibiotics and		
	radionuclides		
	Pesticides	according to	
		Clause 1.2.2	

Microbiological indicators:						
(as amended b						
Resolution No.	41 of Chief	State S	anitary	Inspector	of the RF	
	date	ed 15.04.	2003)			
Index, group of	QMAFAnM,	Mass of	products	s (g ,	Note	
products	CFU/cm3	cm3) in which the				
-	(g),	, indicator is not allowed				
	not more	Colifor	S.aureu	Pathogen		
	than	m	s	ic		
		bacteri		includin		
		a –		q		
		(colifo		salmonel		
		rms)		la		
1.2.7.1.	1 x 1E5	0.01	1.0	25	L.	
Frozen ice-cream					monocytogen	
					es in 25 g	
					are not	
					allowed	
1.2.7.2.	1 x 1E5	0.1	1.0	25	the same	
Soft ice-cream						
1.2.7.3.	3 x 1E4	0.1	1.0	25	the same	
Liquid mixtures						
for soft ice						
cream						
1.2.7.4. Dry	5 x 1E4	0.1	1.0	25	the same	
mixtures for						
soft ice cream						

Index, group	Indicators	Permissible	Note
of products		levels, mg/kg, not	
		more	
1.2.8. Cow		Ly Raw Material and	Fat Products",
butter	Clause 1.7.6		
	Dioxins <***>:	0.000003	
(as amended by	Amendments and A	Additions No. 10, ap	proved by
		e Sanitary Inspecto	
dated 16.07.200	08)		
1.2.9.	Toxic elements:		
Starter	lead		
bacterial	20000	1.0	
cultures for	arsenic	0.2	
fermented milk		0.2	
products	mercury	0.03	
production,	mereury	••••	
acid cream			
butter and			
cheeses, pro-			
biotic			
products			
L	Amendments and Z	Additions No. 2, app	proved by
-		te Sanitary Inspecto	-
dated 15.04.200		te banifeary inspecto	OI OI CHE NE
ualeu 13.04.200			

(as amended b Resolution No.	41 of Chief	E State S	Sanitary		
Index, group of products	Quantity of lactic acid and (or) other mic-	allowed:	product which t or is no	he t	Note
	roorganism s of starters, CFU/cm3 (g), not less than		s.Aureu s	Pathogen ic includin g salmonel la	
1	2	3	4	5	6
1.2.9.1. Symbiotic (liquid)starters for kefir	-	3.0	10.0	100	moulds not more than 5 CFU/g
1.2.9.2. Starters from pure cultures for production of fermented milk products, acid cream butter and cheese, probiotic products:					
- liquid, including frozen	1 x 1E8 <*>	10.0	10.0	100	<pre>moulds and yeast not more than 5 CFU/g; <*> for concentrate d starters - not less than 1 x 1F10</pre>
- dry	1 x 1E9 <*>	1.0	1.0	10	moulds and yeast not more than 5 CFU/g; <*> for concentrate d starters - not less than 1 x 1E10
- dry (as amended by An Resolution No. 4 dated 15.04.2003	<*> mendments ar of Chief S	nd Additi	Lons No.	2, approv	1E10 moulds a yeast no more tha CFU/g; < for concentr d starte - not le than 1 x 1E10 yed by

Index, group	Indicators	Porm	issib	10	Note
of products	Indicacors			.g/kg, not	
or produced		more	10, 10	.g/ iig / iioc	
1	2	3			4
1.2.10.	Toxic element	s:			
Dry food	lead				
solutions on		0.3			
	arsenic	1.0			
for cul-	cadmium	0.2			
	mercury	0.03			
starter and	Mycotoxins:	0.00	15		
probiotic microflora	aflatoxin M1	0.00	55		
microliora					
	Pesticides	1.25			in terms of
	<**>:				fat
	Hexachlorocyc	lo			
	hexane				
	(alpha-, beta				
	gamma-isomers				
	DDT and its -	1.0			the same
	metabolites				
	Radionuclides	: 160			Bq/kg
	caesium - 137				
	strontium-90	80			the same
(as amended by	Amendments an		ions	No. 2, ap	proved by
Resolution No.					
dated 15.04.200	3)				
I					1
	Microbiol	-			
	by Amendments				ctor of the RF
Resolución no		d 15.04			CLOI OI CHE KF
Index, group of					Note
products	CFU/q, not		hich	-	
1	more than	indi	cator	: is not	
		allo	wed		
		Colifor		Pathogen	
		bacteri	-	ic,	
		(colifo:	rms)	includin	
				a '	
				salmo-	
1	2.	3		nella 4	5
<u></u>	2	5		T	5
1.2.10.1.	5 x 1E4	0.01		25	sulfite-
Dry food				-	reducing
solutions for					clostridia in
cultivation of					0.01 g are not
starter and					allowed
probiotic					
microflora					

Index, group of products	Indicators	Permissible levels, mg/kg, not more	Note	
containing	Toxic elements, mycotoxins, antibiotics, pesticides and radionuclides	Shall be establishe consideration of nc components content requirements therec	n-milk and safety	
cream	Microbiological indicators:	according to Clause 1.2.1 - 1.2.7		
(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)				

<*> It is also required to control residual quantities of the antibiotics used for production of food raw material (see Clause 3.15).

(the note was amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

<*> It is also required to control residual quantities of the pesticides used for production of food raw material (see Clauses 3.12, 3.13).

Note:

<***> the maximum level shall not be applied to products containing less than 1% of fat;

- hereinafter dioxins shall be understood to represent the sum of polychlorinated dibenzo-p-dioxins (PCDD) and polychlorinated dibenzofurans (PCDF), expressed as a sum of toxic equivalency factors (TEF) according to the WHO scale (WHO-TEFs):

Congener	TEF Value
Dibenzo-p-dioxin (PCDD)	
2,3,7,8-Tetrachlorodibenzodioxin	1
1,2,3,7,8-Pentachlorodibenzodioxin	1
	1
1,2,3,4,7,8-Hexachlorodibenzodioxin	0.1
1,2,3,4,7,8-Hexachlorodibenzodioxin	0.1
1,2,3,7,8,9-Hexachlorodibenzodioxin	0.1
1,2,3,4,6,7,8-Heptachlorodibenzodioxin	0.01
	0.01
Octachlorodibenzodioxin	0.0001
Dibenzofurans (PCDF)	
2,3,7,8-Tetrachlorodibenzofuran	0.1
2, 5, 7, 8-Tetrachiorodibenzoruran	0.1
1,2,3,7,8-Pentachlorodibenzofuran	0.05
2,3,4,7,8-Pentachlorodibenzofuran	0.5
1,2,3,4,7,8-Hexachlorodibenzofuran	0.1
1,2,3,6,7,8-Hexachlorodibenzofuran	0.1
1,2,3,7,8,9-Hexachlorodibenzofuran	0.1
2,3,4,6,7,8-Hexachlorodibenzofuran	0.1
	0.01
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.01
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.01
Oktachlorodibenzofuran	0.0001

TOXIC EQUIVALENCY FACTORS (according to WHO scale) <*>

(the note was introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

<*> 1 pg TEF means that this is a mixture of PCDD and PCDF which corresponds to 1 pg of 2,3,7,8-Tetrachlorodibenzodioxin (TCDD).

			L			
Index, group	Indicators	Permissible	Note			
of products		levels, mg/kg, not				
-		more				
1	2	2	4			
L	2	3	4			
1.3.1. Live	Toxic elements:					
fish, chilled,	lead					
frozen raw	1000	1.0				
		±••				
fish, minced		2.0	tuna,			
fish, filet,			swordfish,			
meat of marine	argonia	1.0	freshwater			
	arsenic					
mammals		5.0	sea beluga			
	cadmium	0.2				
	mercury	0.3	freshwater			
	mereary	0.9				
			nonpredatory			
		0.6	freshwater			
			predatory			
		0.5	÷			
			sea			
		1.0	tuna,			
			swordfish,			
			beluga			
	Histamine	100.0	tuna,			
			mackerel,			
			salmon,			
			herring			
	Nitrosamines:	0.003				
	sum of N-					
	Nitrosodimethyl					
	amine and N-					
	Nitrosodiethyla					
	mine					
	Pesticides <*>:	0.2	sea, meat of			
	Hexachlorocyclo		marine mammals			
	hexane					
	(alpha-, beta-,					
	gamma-isomers)	0.03	freshwater			
	DDT and its	0.2	sea			
	metabolites					
	metabolites					
		0.3	freshwater			
		2.0	sturgeons,			
			salmons, fat			
			herring			
		0.2	meat of marine			
			mammals			
		not allowed				
	2, 4-D acid,	not allowed	freshwater			
	its salts and					
	esters	1				
		2 0				
	Polychlorinated	2.0				
	biphenyls					
	Radionuclides:	130	Bq/kg			
	caesium - 137		1. 2			
		100				
	strontium-90	100	the same			
	Dioxins <**>:	0.00004				
	Antibiotics (in pond fish and fish of cage					
	culture fishery)	<*>:				
	tetracycline	0.01				
	7					
,	group		1			
		Additions No. 2, app				
Resolution No.	41 of Chief Stat	e Sanitary Inspecto	or of the RF			
		oved by Resolution N				
		e RF dated 16.07.200				
approved by Rea	solution No. 177	of Chief State Sani	tary Inspector			

1.3. Fish, Shellfish and Algae and Products Based on them:

approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010, Amendment No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011)

	Microbio	logical i	ndicato	rs:	
Index, group of products	QMAFAnM,				Note
		Colifor m bacteri a - (colifo rms)	S. aureus	Patho- genic, includin g salmonel la and L. monocyto genes	
1	2	3	4	5	6
1.3.1.1. Raw fish and live fish	5 x 1E4	0.01	0.01	25	V. parahaemoly ticus - not more than 100 CFU/g, for sea fish
(as amended by Ar					
Resolution No. 41 dated 15.04.2003		State Sar	nitary li	nspector d	of the RF
1.3.1.2. Chilled, frozen fish	1 x 1E5	0.001	0.01	25	the same
1.3.1.3. Chilled and frozen fish products: - fish fillet, fish of special cutting	1 x 1E5	0.001	0.01	25	the same; sulfite- reducing clostridia in 0.01 g are not allowed in vacuum- packaged products,
- eating minced fish, formed minced fish products, including with flour component	1 x 1E5	0.001	0.01	25	the same
- mince fish of special condition	5 x 1E4	0.01	0.1	25 <*>	<pre>sulfite- reducing clostridia in 0.01 g are not allowed in vacuum- packaged products, <*> only salmonella</pre>

Index, group of products	Indicator	ÎS	Permiss levels, more	mg/kg,		Note	5
1.3.2. Canned and semi-preserved fish	Toxic ele lead, arsenic, cadmium, mercury, stannum	ements:	accordi Clause	2			
			200 0.5			<pre>in assembled tin containers in chromed containers <*> for smoked products</pre>	
			0.005 <*>				
			according to Clause 1.3.1				
(as amended by Resolution No. dated 15.04.200 State Sanitary	41 of Chi 3, No. 10	lef Stat), appro	ce Sanit	ary Ins Resolut	specto tion N	r of o. 4	the RF
	Histamine nitrosami pesticide polychlor biphenyls radionucl	ines, es, cinated s and	accordi Clause				
Index, group of		Mass of	cal ind	cts (g)	in wh		Note
products	M, CFU/g not more - than	the inc Colifo rm bacter ia - (colif orms)	S. aureus	Sul-	Patho ic, inclu g	gen din nel	
-		2		-	monoc genes	-	
1 1.3.2.1. Semi-preserved food products c spiced and special salting from whole and cut fish		3	4	5	6		7 moulds - not more than 10 CFU/g, yeast - not more than 100 CFU/g
1.3.2.2. Lightly-salted semi-preserved fish products of spiced and special salting - whole		0.01	1.0	0.01	25		
- whole - cut	5 x 1E4	0.01	1.0	0.01	25		moulds - not more than 10 CFU/g, yeast - not more than 100 CFU/g the same
1.3.2.3. Semi-preserved	2 x 1E5	0.01	1.0	0.01	25		the same
food products from cut fish with addition of							
--	--	--	--				
vegetable oils, dressings,							
sauces, with and without garnish							
(including from							
salmon)							

(as amended by Am Resolution No. 41 dated 15.04.2003)	of Chi						
1.3.2.4. Semi-preserved food products							
"Paste": - fish pastes	5 x 1E5	0.01	0.1	0.01	25	the same	
- from the protein paste	1 x 1E5	0.1	0.1	0.1	25	the same	
1.3.2.5. Semi-preserved food products from heat- treated fish	5 x 1E4	1.0	1.0	1.0	25		
1.3.2.6. Fish canned food products in glass, aluminium and tin containers	sterili	ty for	requirements for industrial canned food of group "A" in ac- Annex 8 to these Sanitary Rules				
1.3.2.7. Semi-canned fish products in glass containers	sterili	ty for	canned	food of	for indust f group "E ese Sanita)" in ac-	

T	Tudiantaua	De un i e e i le l e	Note
Index, group	Indicators	Permissible	Note
of products		levels, mg/kg, not more	
1	2	3	4
1	2	2	4
1.3.3.	Toxic elements,	according to	in terms of
Dried,	histamine and	Clause 1.3.1	original
		crause 1.5.1	2
cured,	polychlorinated		product -
smoked,	biphenyls		subject to
salted,			content of dry
spiced,			substances in
marinated			it and final
fish,			products
			products
fish			
cookery and			
other fish			
products,			
ready for			
consumption			
-	1	I	1
	41 of Chief Stat	Additions No. 2, app ce Sanitary Inspecto	
- smoked,	Nitrosamines:	0.003	
salted,	sum of N-		
marinated and	Nitrosodimethyl		
other fish	amine and N-		
products	Nitrosodiethyla		
- dried,cured	mine		
fish	Radionuclides:		
	1.05	1.0.0	
	caesium - 137	130	Bq/kg (except
			for dried and
			cured fish)
		260	Bq/kg - for
			dried and
			cured fish
	strontium-90	100	Bq/kg (except
			for dried and
			cured fish,
			for which
			norms of
			strontium-90
			are not
			established)
Resolution No.	71 of Chief Stat	Additions No. 18, ap te Sanitary Inspecto	
dated 28.06.201	_ ()		
	Pesticides <*>:		
	Hexachlorocyclo		
	hexane		
		0.2	
		· · 2	
	gamma-isomers),		
	DDT and its	0.4	balyk pro-
	metabolites	2.0	ducts, fat
			herring
	Benz(a)pyrene	0.005	smoked fish
	Denz (a) bàreile	0.005	SWOKEN IISH
	Dioxins <**>:	according to	
		Clause 1.3.1	
(as amended bv		Additions No. 10, ap	proved by
		e Sanitary Inspecto	
dated 16.07.200)8)		

	Micro	biologi	lcal ind	dicators	5:	
Index, group of products	QMAFAn M, CFU/g not more - than		dicator	is not Sulfit e-	in which allowed Pathogen ic, includin g salmo- nella and L. monocyto	Note
1	2	3	4	5	genes 6	7
1	2	3	4	5	6	/
1.3.3.1. Hot smoked fish products, including frozen	1 x 1E4	1.0	1.0	0.1 <*>	25	<*> vacuum- packaged
1.3.3.2. Cold smoked fish pro- ducts, including frozen: - whole	1 x 1E4	0.1	1.0	0.1 <*>	25	the same <*> V. parahaemol uticus - not more than 10 CFU/g, for sea fish
- cut, including sliced (in pie- ces, served)	3 x 1E4	0.1	1.0	0.1 <*>	25	the same <*> V. parahaemol uticus - not more than 10 CFU/g, for sea fish
- balyk products of cold smoking, including in slices	7.5 x 1E4	0.1	1.0	0.1 <*>	25	vacuum- packaged <*>
- fish made dish, sausage products, balyk minced meat, spiced products	1 x 1E5	0.01	1.0	0.1 <*>	25	the same <*>
(Clause 1.3.3.2 a approved by Resol of the RF dated 1	lution N	Jo. 41 c				
1.3.3.3. Soft smoked, light- salted cut fish, including fillet	5 x 1E4	0.1	1.0	0.1 <*>	25	V. parahaemol uticus - not more than 10 CFU/g, for sea fish <*>, vacuum- packaged

(as amended by Am Resolution No. 41 dated 15.04.2003)	of Chi					
1.3.3.4. Salted, spiced, marinated fish, including fr- ozen: - whole	1 x 1E5	0.1	_	0.1 <*>	25	<*> vacuum- packaged
<pre>- cut salted and light-salted, including salmon without preserving agents, fillet, in slices; with dressings, spices, garnish, oil</pre>	1E5	0.01	0.1	0.1 <*>	25	<*> vacuum- packaged
(as amended by Am Resolution No. 41 dated 15.04.2003)	of Chi					
1.3.3.5. Cured fish	5 x 1E4	0.1		1.0	25 <*>	<pre><*> only salmonella moulds - not more than 50 CFU/g, yeast - not more than 100 CFU/g</pre>
(as amended by Am Resolution No. 41 dated 15.04.2003)	of Chi			ary Ins		
1.3.3.6. Stockfish	5 x 1E4	0.1		1.0 <*>	25 <**>	<*> vacuum- packaged <**> only sal- monella; moulds and yeast not more than 100 CFU/g
1.3.3.7. Dried fish	5 x 1E4	0.1	_	0.01 <*>	25 <**>	<*> the same; <**> the same
(as amended by Am Resolution No. 41 dated 15.04.2003)	l of Chi					
1.3.3.8. Dry soups with fish, requiring cooking	5 x 1E5	0.001			25 <*>	<pre><*> only sal- monella; moulds and yeast not more than 100 CFU/g</pre>
1.3.3.9. Heat-treated culinary products:	1 x 1E4	1.0	1.0	1.0 <*>	25 <**>	

<pre>baked, fried, boiled, in dressings, etc.; with flour component (pies, ravioli, etc.); including frozen - multi- component pro- ducts - solyanka, pilaf, snacks, stewed seafood with vegetables, including frozen</pre>	5 x 1E4	0.01	1.0	1.0 <*>	25 <**>	<**> only salmonella; moulds and yeast not more than 100 CFU/g <*> vacuum- packaged <**> only salmonella
- jellied products: jellied fish, fish in aspic, etc.	5 x 1E4		1.0		25 <*>	<*> only salmonella
<pre>1.3.3.10. Culinary products without heat-treatment: - salads from fish and seafood without dressing</pre>	1 x 1E4	1.0	1.0	-	25	Proteus in 0.1 g are not allowed
<pre>- chopped salted fish; pates, pastes - herring,</pre>	2 x 1E5 2 x	0.01	0.1		25 25	the same the same
caviar, krill butter, etc.	2 x 1E5	0.001	0.1		25	che same
- salads from fish and seafood with dressing (mayonnaise, sauce, etc.)	5 x 4 10	0.1	0.1		25 g	E. coli in 0.1 g are not allowed; Proteus in 0.1 g are not allowed; moulds - not more than 50 CFU/g; yeast - not more than 100 CFU/g
(introduced by Am Resolution No. 71 dated 28.06.2010)	of Chi					
<pre>1.3.3.11. Cooked and frozen products: - quick-frozen ready-made dinner and snack fish meals, pancakes with fish, fish stuffing, including vacuum-packaged</pre>	2 x 1E4	0.1	0.1	0.1 <*>	25	Enterococcu s - 1 x 1E3 CFU, not more than (in sliced products) <*> vacuum- packaged
- constructed products ('crab sticks', etc.)	1 x 1E3	1.0	1.0	1.0	25	Enterococc us - 2 x 1E3 CFU/g, not more than (in minced fish products)
1.3.3.12. Mayonnaise on		0.01			25 <*>	<*> only sal-

the fish broth			monella;
basis			moulds not more than
			10 CFU/q,
			yeast not
			more than
			100 CFU/g

Index, group	Indicators	Permissible	Note
of products		levels, mg/kg, not	
		more	
1	2	3	4
1.3.4. Fish	Toxic elements:		
caviar and	lead		
milt and		1.0	
products from	arsenic	1.0	
them; caviar	cadmium	1.0	
analogues	mercury	0.2	
	Pesticides <*>:		
	Hexachlorocyclo	0.2	
	hexane		
	(alpha-, beta-,		
	gamma-isomers),		
	DDT and its -	2.0	
	metabolites		
	Polychlorinated	according to	
	biphenyls,	Clause 1.3.1	
	radionuclides		
	Antibiotics (for	pond fish and fish	of cage culture fishery) <*>:
	tetracycline	0.01	
	group		
(as amended by	Amendment No. 24	, approved by Resol	ution No. 79 of Chief State
-	ctor of the RF da		
Samigary insper			

	ſ				ndicators		1	1
Index, group of products					in which allowed		Yeast, CFU/q	Note
produced	CFU/g	Colifo		Sul-	Pathogen	_	not	
	not		aureus		ic,	more -	more -	
		bacter ia –		redu- cing	includin ~	than	than	
	CIIAII	ia – (colif		2	g salmo-			
		orms)		idia	nella			
1	2	3	4	5	6	7	8	9
	5 x	0.001	0.01		25			L. monocyto-
and frozen milt and roe caviar	1E4							genes in 25
and roe caviar								g are not allowed;
								V.
								parahaemolyt
								icus
								- not more than 100
								CFU/g, for
								sea fish
1.3.4.2. Salted	1 x	0.1	0.1		25			L. monocyto-
milt	1E5							genes in 25
								g are not allowed;
1.3.4.3.						1		alloweu;
Culinary								
caviar								
products:		1 0	1 0		0.5			
 heat-treated multi-com- 	1 x 1E4	1.0	1.0	-	25	-	-	
ponent meals	1E4 2 x	0.1	0.1	_	25	_	_	L. monocyto-
without heat-	1E5	•••	•••		20			genes in 25
treatment after								g are not
mixing								allowed;
								Proteus in 0.1 g are
								not allowed
1.3.4.4. Stur								
geon caviar:								
 granular caviar packed in tins, 		1.0	1.0	1.0	25	50	50	
pressed caviar	1E4							
- pasteurized	1 x	1.0	1.0	1.0	25	0.1	0.1	<*> mass
granular	1E3					<*>	<*>	(g), in w-
								hich the
								indicator is not allowed
- lightly-salted,	5 x	1.0	1.0	1.0	25	50	100	not arrowed
salted roe caviar								
1.3.4.5. Salted	1 x	1.0	1.0	1.0	25	50	300	
granular salmon	1E5							
caviar: - packed in tins,								
kegs								
- from	5 x	1.0	1.0	1.0	25	50	200	
frozen	1E4							
roes			}		+		+	1
1.3.4.6. Caviar of other kinds of								
fish:								
- screened	1 x	0.1	1.0	1.0	25	50	300	<*> mass
salted;	1E5							(g), in w-
roe lightly colted								hich the
lightly-salted, smoked,								indicator is not allowed
cured								TIOC ATTOWED
- pasteurized	5 x	1.0	1.0	1.0	25	0.1	0.1	
	1E3					<*>	<*>	
1.3.4.7.	1 x	0.1	1.0	0.1	25	50	50	
Caviar analogues,								
including protein	4	1	1	1	1	1	1	

kg, not 4 for canned food in assembled tin containers for canned food in chromed containers
4 for canned food in assembled tin containers for canned food in chromed
for canned food in assembled tin containers for canned food in chromed
for canned food in assembled tin containers for canned food in chromed
food in assembled tin containers for canned food in chromed
food in assembled tin containers for canned food in chromed
food in assembled tin containers for canned food in chromed
food in assembled tin containers for canned food in chromed
in assembled tin containers for canned food in chromed
tin containers for canned food in chromed
for canned food in chromed
food in chromed
food in chromed
chromed
.0
1
and fish of cage
and rish or eage
I
by Resolution No. 79
F dated 01.06.2011)
ors:
013.
for industrial
f group "A" in ac-
ese Sanitary Rules
01 CFU/q, not
more than,
mass of the
product (g),
in which the
indicator is
not allowed
the same
CFU/g, not
more than, for
more than, for sea fish
more than, for
more than, for sea fish
more than, for sea fish the same
more than, for sea fish the same Note
more than, for sea fish the same
more than, for sea fish the same Note kg, not
more than, for sea fish the same kg, not 4
more than, for sea fish the same Note kg, not
more than, for sea fish the same kg, not 4 ial and Fat Products",
more than, for sea fish the same kg, not 4 ial and Fat Products", (in terms of
more than, for sea fish the same kg, not A ial and Fat Products", (in terms of fat)
more than, for sea fish the same kg, not A ial and Fat Products", (in terms of fat)
more than, for sea fish the same kg, not 4 ial and Fat Products", (in terms of fat) ons No. 10, approved by
more than, for sea fish the same kg, not A ial and Fat Products", (in terms of fat)
more than, for sea fish the same kg, not 4 ial and Fat Products", (in terms of fat) ons No. 10, approved by
more than, for sea fish the same kg, not 4 ial and Fat Products", (in terms of fat) ons No. 10, approved by

	1	1	1
crustaceans			
and other			
invertebrates;			
algae and sea			
grass) and			
their derived			
products,			
amphibians,			
reptiles:			
- molluscs,	Toxic elements:		
crustaceans	lead		
and other in-		10.0	
vertebrates,	arsenic	5.0	
amphibians,	cadmium	2.0	
-		0.2	
reptiles	mercury	0.2	
	Phycotoxins:		
	paralytic toxin	0.8	molluscs
	of molluscs		
	(saxitoxin)		
	amnesic toxin	20	molluscs
	of molluscs		
	(domoic acid)		
	amnesic toxin	30	internal
	of molluscs		organs of
	(domoic acid)		2
	, ,	0.16	crabs
	ararrioar comm	0.16	molluscs
	of molluscs		
	(okadaic acid)		
 algae and 	Toxic	0.5 5.0 1.0 0.1	
sea grass	elements		
-	lead		
	arsenic		
	cadmium		
	mercury Dutibistics (See		
		pond fish and fish	i or cage
	culture fishery)		
	tetracycline	0.01	
	group		
(as amended by	Amendments and A	Additions No. 2, app	proved by
Resolution No.	41 of Chief Stat	e Sanitary Inspecto	or of the RF
dated 15.04.200	3, No. 10, appro	oved by Resolution N	Io. 43 of Chief
		e RF dated 16.07.200	
_	-	of Chief State Sanit	
		22, approved by Re	
		spector of the RF da	
		approved by Resoluti	
unier state Sar	illary inspector	of the RF dated 01.	(1102.00

	Micro	biologi	cal ind	licators	:	
Index, group of products	QMAFAn M , CFU/q		f produc licator		Note	
	not more -	Colifo rm bacter ia - (colif orms)	aureus	Sul- fite- redu- cing clostr idia	Pathogen ic, includin g salmo- nella and L. monocyto genes	
1	2	3	4	5	6	7
1.3.7.1. Non-f- ish products - crustaceans and other invertebrates (squid and gastropod molluscs , echinoderm and etc.):						
- live	5 x 1E4	0.01	0.01		25	V. parahaemol uticus - not more than 100 CFU/g, for sea

ConsultantPlus: note:

The indicator QMAFAnM for the following group of products is specified in accordance with the official text of the document, received from the Ministry of Justice of the RF. In the text of Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003, published in "Rossiyskaya Gazeta" No. 119/1 dated 20.06.2003, the specified indicator equals to 1 x 1E3.

- chilled, frozen	1 x 1E5	0.001	0.01	-	25	the same
Non-fish products - clams (mussels, oysters, scallop, etc.):						
- live	5 x 1E3	1.0		0.1	25	E. coli in 1.0 g are not allowed, Enterococcus in 0.1 g are not allowed V. parahaemoluticus - in 25 g are not allowed, for sea
- chilled, frozen (as amended by Am				s No. 2	, approve	
No. 41 of Chief S	State Sa 2 x					
Semi-preserved food from invertebrates and algae with	2 x 1E5	0.01	1.0	0.01		<*> only sal- monella; moulds - not more than 10 CFU/g, yeast -

	, 	1	r	1		I
addition of						not more than
vegetable oils,						100 CFU/g
dressings,						
sauces with and						
without garnish	-	0 1	0.1		0.5	
1.3.7.3.	5 x	0.1	0.1		25 <*>	<*> only sal-
Semi-preserved	1E4					monella;
food from meat						moulds - not
of clams						more than 10
						CFU/g, yeast -
						not more than
						100 CFU/g
						rial sterility
Canned food from					' in accor	dance with Annex
	8 to th	lese Sar	nitary F	Rules		
and algae					I	I
	2 x	1.0		0.1	25 <*>	<*> only sal-
and dried	1E4					monella;
products from						moulds and yeast
marine						not more than
invertebrates						100 CFU/g
1.3.7.6.						
Cooked and						
frozen products						
from						
invertebrates						
and algae:						
- crustaceans	2 x	0.1	0.1	1.0	25	<*> vacuum-
	1E4			<*>		packaged;
						Enterococcus,
						CFU/g, not more
						than:
						1 x 1E3
						- in sliced
						products,
						2 x 1E3
						 in minced meat
						products
- meat	2 x	0.1	1.0	1.0	25	<*> vacuum-
	1E4	0.1	1.0	 <*>	2.5	packaged;
meals from meat	104					Enterococcus,
of clams						
OI CIAMS						CFU/g, not more
						than:
	~	0 1	1 0	1 0	0.5	1 1 - 0
	2 x	0.1	1.0	1.0	25	1 x 1E3
of shrimps,	1E4			<*>		- in sliced
crabs, krill						products,
						2 x 1E3
						 in forced meat
						products
						<*> the same;
						Enterococcus,
						CFU/g, not more
						than:
						1 x 1E3
						- in sliced
						products,
						2 x 1E3
						- in minced meat
						products
1.3.7.7.	1		1	1	1	<u></u>
Dried and						
protein						
invertebrates						
and algae:						
	5	0 1	L	0 01	25 /*>	
- dry mussel	5 x	0.1	-	0.01	25 <*>	<*> only sal-
broth,	1E4					monella
bouillon cubes						
and pastes,						
isolated protein	L					
	5 x	1.0	1.0	-	25 <*>	<*> the same
from mussels	1E3					
(mussels						

hydrolyzer K) - protein and carbohydrate concentrate from mussels		1.0	1.0	1.0	25 <*>	<*> the same		
1.3.7.8. Algae, sea grass and their products:								
 algae and sea grass raw fish, including frozen 	5 x 1E4	0.1			25 <*>	<*> the same		
- dried algae and sea grass	5 x 1E4	1.0			25 <*>	<*> only sal- monella; moulds not more than 100 CFU/g		
(as amended by Am	- jams from 5 x 1.0 25 <*> <*> only sal- laminaria 1E3 (as amended by Amendments and Additions No. 2, approved by Resolution							
No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003) - alimentary See Section "Other Products", Clause 1.9.6.2. agar, agaroid, furcellarine and food sodium alginate								

<*> It is also required to control residual quantities of the pesticides and antibiotics used for production of food raw material (see Clauses 3.12, 3.13, 3.15).

(the note was amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

Note:

<***> the maximum level shall not be applied to products containing less than 1% of fat;

- hereinafter dioxins shall be understood to represent the sum of polychlorinated dibenzo-p-dioxins (PCDD) and polychlorinated dibenzofurans (PCDF), expressed as a sum of toxic equivalency factors (TEF) according to the WHO scale (WHO-TEFs):

Congener	TEF value
Dibenzo-p-dioxin (PCDD)	
± . , ,	
2,3,7,8-Tetrachlorodibenzodioxin	1
1,2,3,7,8-Pentachlorodibenzodioxin	1
1,2,3,4,7,8-Hexachlorodibenzodioxin	0.1
1,2,3,4,7,8-Hexachlorodibenzodioxin	0.1
1,2,3,7,8,9-Hexachlorodibenzodioxin	0.1
1,2,3,4,6,7,8-Heptachlorodibenzodioxin	0.01
1,2,3,4,6,7,8-Heptachiorodibenzodioxin	0.01
Octachlorodibenzodioxin	0.0001
	0.0001
Dibenzofurans (PCDF)	
2,3,7,8-Tetrachlorodibenzofuran	0.1
1,2,3,7,8-Pentachlorodibenzofuran	0.05
2,3,4,7,8-Pentachlorodibenzofuran	0.5
1,2,3,4,7,8-Hexachlorodibenzofuran	0.1
1,2,3,6,7,8-Hexachlorodibenzofuran	0.1
1,2,3,6,7,8-Hexachlorodibenzoiuran	0.1
1,2,3,7,8,9-Hexachlorodibenzofuran	0.1
	0.1
2,3,4,6,7,8-Hexachlorodibenzofuran	0.1
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.01
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.01
Oktachlorodibenzofuran	0.0001

TOXIC EQUIVALENCY FACTORS (according to WHO scale) <*>

(the note was introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

<*> 1 pg TEF means that this is a mixture of PCDD and PCDF which corresponds to 1 pg of 2,3,7,8-Tetrachlorodibenzodioxin (TCDD).

Index, group of			
a ca a les c + -	Indicators	Permissible levels,	Note
products		mg/kg, not more	
1	2	a a a a a a a a a a a a a a a a a a a	4
1	Ζ	3	4
1.4.1.	Toxic elements:		
Food grain	lead		
including wheat,		0.5	
		0.2	
rye, triticale,	arsenic		
oat, barley,	cadmium	0.1	
millet,	mercury	0.03	
buckwheat, rice,		0.005	
	_	0.005	
maize,	aflatoxin Bl		
sorghum	desoxynivalenol	0.7	wheat
		1.0	barley
	T-2 toxin	0.1	
	zearalenone	1.0	wheat, barley,
			maize
	Nitrosamines: sum	0 015	brewer's malt
		0.013	DIEWEI S Mait
	of N-		
	Nitrosodimethylam		
	ine and N-		
	Nitrosodiethylami		
	ne		
	Benz (a) pyrene	0.001	
	Pesticides <*>:	0.5	
		0.0	
	Hexachlorocyclohe		
	xane		
	(alpha-, beta-,		
	gamma-isomers),		
	DDT and its	0.02	
	metabolites		
	hexachlorobenzene	0 01	wheat
			wiieac
	mercuric organic		
	pesticides 2, 4-D	not allowed	
	acid, its salts		
	and esters		
	Radionuclides:	60	Bq/kg
	caesium - 137		
		1	
(as amended by A		tions No. 18, approve	d by Resolution No.
	mendments and Addi	tions No. 18, approve or of the PF dated 28	
	mendments and Addi	tions No. 18, approve or of the RF dated 28	
	mendments and Addi e Sanitary Inspect	or of the RF dated 28	
	mendments and Addi and Addi and Addi Harmful		
	mendments and Addi e Sanitary Inspect	or of the RF dated 28	
	mendments and Addi e Sanitary Inspect Harmful contaminants:	or of the RF dated 28	
	Mendments and Addi e Sanitary Inspect Harmful contaminants: ergot	or of the RF dated 28	.06.2010)
	Manendments and Addi e Sanitary Inspect Harmful contaminants: ergot Russian	or of the RF dated 28	
	Magnetic Addi Marmful Contaminants: ergot Russian knapweed,	or of the RF dated 28	.06.2010)
	Manual Market Ma	or of the RF dated 28	.06.2010)
	Manual Market Ma	or of the RF dated 28	.06.2010)
	Manendments and Addi e Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides,	or of the RF dated 28	.06.2010)
	Manendments and Addi E Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis	or of the RF dated 28 0.05 0.1	.06.2010)
	Mendments and Addi E Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an	or of the RF dated 28 0.05 0.1	.06.2010)
	Mendments and Addi E Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an	or of the RF dated 28 0.05 0.1	.06.2010)
	Manendments and Addi E Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis	or of the RF dated 28 0.05 0.1	.06.2010) rye, wheat
	mendments and Addi e Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis)	or of the RF dated 28 0.05 0.1	.06.2010)
	Amendments and Addi te Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch	or of the RF dated 28 0.05 0.1 0.1	.06.2010) rye, wheat rye, wheat
	mendments and Addi e Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis)	or of the RF dated 28 0.05 0.1	.06.2010) rye, wheat
	Amendments and Addi te Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium	or of the RF dated 28 0.05 0.1 0.1	.06.2010) rye, wheat rye, wheat
	Amendments and Addi ce Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum	or of the RF dated 28 0.05 0.1 0.1 0.1	.06.2010) rye, wheat rye, wheat rye, wheat
	Amendments and Addi ce Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma	or of the RF dated 28 0.05 0.1 0.1	.06.2010) rye, wheat rye, wheat
	Amendments and Addi te Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed	.06.2010) rye, wheat rye, wheat rye, wheat rye
	Amendments and Addi ce Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma	or of the RF dated 28 0.05 0.1 0.1 0.1	.06.2010) rye, wheat rye, wheat rye, wheat
	Amendments and Addi te Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed	.06.2010) rye, wheat rye, wheat rye, wheat rye
	<pre>mendments and Addi amendments and Addi amendminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye,</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed	.06.2010) rye, wheat rye, wheat rye, wheat rye
	Amendments and Addi te Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye)	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed	.06.2010) rye, wheat rye, wheat rye, wheat rye
	<pre>mendments and Addi a Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye) grain</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed	.06.2010) rye, wheat rye, wheat rye, wheat rye
	Amendments and Addi te Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye)	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed	.06.2010) rye, wheat rye, wheat rye, wheat rye
	<pre>mendments and Addi amendments and Addi amendminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye) grain fusarium</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed 10.0	.06.2010) rye, wheat rye, wheat rye, wheat rye wheat
	<pre>mendments and Addi a Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye) grain fusarium grain</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed 10.0	.06.2010) rye, wheat rye, wheat rye, wheat rye wheat rye, wheat, barley
	<pre>mendments and Addi a Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye) grain fusarium grain with pink</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed 10.0	.06.2010) rye, wheat rye, wheat rye, wheat rye wheat
	<pre>mendments and Addi a Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye) grain fusarium grain</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed 10.0	.06.2010) rye, wheat rye, wheat rye, wheat rye wheat rye, wheat, barley
	<pre>mendments and Addi a Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye) grain fusarium grain with pink colouring</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed 10.0 1.0 3.0	.06.2010) rye, wheat rye, wheat rye, wheat rye wheat rye, wheat, barley
	<pre>mendments and Addi a Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye) grain fusarium grain with pink colouring presence of grain</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed 10.0 1.0 3.0	.06.2010) rye, wheat rye, wheat rye, wheat rye wheat rye, wheat, barley rye
	<pre>mendments and Addi a Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye) grain fusarium grain with pink colouring presence of grain with bright</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed 10.0 1.0 3.0	.06.2010) rye, wheat rye, wheat rye, wheat rye wheat rye, wheat, barley rye
	<pre>mendments and Addi a Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye) grain fusarium grain with pink colouring presence of grain with bright yellow-green</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed 10.0 1.0 3.0	.06.2010) rye, wheat rye, wheat rye, wheat rye wheat rye, wheat, barley rye
	<pre>mendments and Addi a Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye) grain fusarium grain with pink colouring presence of grain with bright</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed 10.0 1.0 3.0	.06.2010) rye, wheat rye, wheat rye, wheat rye wheat rye, wheat, barley rye
	<pre>mendments and Addi a Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye) grain fusarium grain with pink colouring presence of grain with bright yellow-green fluorescence</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed 10.0 1.0 3.0	.06.2010) rye, wheat rye, wheat rye, wheat rye wheat rye, wheat, barley rye
	<pre>mendments and Addi a Sanitary Inspect Harmful contaminants: ergot Russian knapweed, Sophora alopecuroides, Thermopsis lanceolata (on an aggregate basis) crown vetch heliotropium dasycarpum trichodesma incanum golovnenye (maranye, sineguzochnye) grain fusarium grain with pink colouring presence of grain with bright yellow-green</pre>	or of the RF dated 28 0.05 0.1 0.1 0.1 not allowed 10.0 1.0 3.0 0.1	.06.2010) rye, wheat rye, wheat rye, wheat rye wheat rye, wheat, barley rye

1.4. Grain (Seeds), Flour-Cereal and Bakery Products.

	of grain (insects, mites)		
	Pest	15.0	total contamination
	contamination of		density, spc/kg,
	grain (insects,		not more
	mites)		
	ochratoxin A	0.005	wheat, barley, rye
(ac amondod by	I Amondmonte and Addi	tiong No 2 approve	pat, rice
11 of Chief Sta	te Sanitary Inspect	or of the RF dated 1	ed by Resolution No. 15.04.2003, No. 10, Inspector of the RF
lated 16.07.200		-	-
.4.2.	Toxic elements:		
Seeds of grain	lead	0.5	
equmes,	arsenic	0.3	
ncluding pea,	cadmium	0.1	
bean, golden	mercury	0.02	
gram, chipa,	Mycotoxins:	0.005	
entil, chickpe	a aflatoxin B1		
	Pesticides <*>:		
	Hexachlorocyclohe	0.5	
	xane		
	(alpha-, beta-,		
	gamma-isomers)		
	DDT and its	0.05	
	metabolites		
	Organomercuric	not allowed	
	pesticides		
	2, 4-D acid, its	not allowed	
	salts and esters		
	Harmful		
	contaminants:		
	Pest	not allowed	
	contamination and		
	infestation of		
	grain (insects,		
	mites)		
(as amended by .	Amendments and Addi	tions No. 18, approv	ved by Resolution No.
71 of Chief Sta	te Sanitary Inspect	or of the RF dated 2	28.06.2010)
1.4.3.	Toxic elements:		
	Toxic elements: lead		
Cereal,		0.5	
Cereal, Datmeal,		0.5	
Cereal, Datmeal,	lead		
Cereal, Datmeal,	lead arsenic	0.2	
Cereal, Datmeal,	lead arsenic cadmium	0.2 0.1	
Cereal, Datmeal,	lead arsenic cadmium mercury Mycotoxins: Aflatoxin Bl	0.2 0.1 0.03	
Cereal, Datmeal,	lead arsenic cadmium mercury Mycotoxins:	0.2 0.1 0.03	wheat
Cereal, Datmeal,	lead arsenic cadmium mercury Mycotoxins: Aflatoxin Bl	0.2 0.1 0.03 0.005	
1.4.3. Cereal, patmeal, flakes	lead arsenic cadmium mercury Mycotoxins: Aflatoxin Bl	0.2 0.1 0.03 0.005 0.7	wheat
Cereal, Datmeal,	lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol	0.2 0.1 0.03 0.005 0.7 1.0	wheat
Cereal, Datmeal,	lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin	0.2 0.1 0.03 0.005 0.7 1.0 0.1	wheat barley
Cereal, Datmeal,	lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin	0.2 0.1 0.03 0.005 0.7 1.0 0.1	wheat barley wheat,
Cereal, Datmeal,	lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause	wheat barley wheat, maize, barley
Cereal, Datmeal,	lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2	wheat barley wheat, maize, barley
Cereal, Datmeal,	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: Radionuclides:</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1	wheat barley wheat, maize, barley
Cereal, batmeal, Elakes	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: Radionuclides: caesium - 137</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60	wheat barley wheat, maize, barley Bq/kg
Cereal, Datmeal, Elakes	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: Radionuclides: caesium - 137 Amendments and Addi</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approx	wheat barley wheat, maize, barley Bq/kg ved by Resolution No.
Cereal, Datmeal, flakes (as amended by .	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: Radionuclides: caesium - 137 Amendments and Addi</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60	wheat barley wheat, maize, barley Bq/kg ved by Resolution No.
Cereal, Datmeal, Elakes	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: Radionuclides: caesium - 137 Amendments and Addi te Sanitary Inspect</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approximation of the RF dated 2	wheat barley wheat, maize, barley Bq/kg ved by Resolution No.
Cereal, Datmeal, Elakes	lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: caesium - 137 Amendments and Addi te Sanitary Inspect Harmful	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approximation of the RF dated 2	wheat barley wheat, maize, barley Bq/kg ved by Resolution No.
Cereal, Datmeal, flakes (as amended by .	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: Radionuclides: caesium - 137 Amendments and Addi te Sanitary Inspect Harmful contaminants:</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approvided approvided and approvided approximately approved and approvided approximately approved approximately approved approximately approved approximately approxi	wheat barley wheat, maize, barley Bq/kg ved by Resolution No.
Cereal, Datmeal, flakes (as amended by .	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: caesium - 137 Amendments and Addi te Sanitary Inspect Harmful contaminants: Pest</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approvided approvided and approvided approximately approved and approvided approximately approved approximately approved approximately approved approximately approxi	wheat barley wheat, maize, barley Bq/kg ved by Resolution No.
Cereal, Datmeal, flakes (as amended by .	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: caesium - 137 Amendments and Addi te Sanitary Inspect Harmful contaminants: Pest contamination and</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approvided approvided and approvided approximately approved and approvided approximately approved approximately approved approximately approved approximately approxi	wheat barley wheat, maize, barley Bq/kg ved by Resolution No.
Cereal, Datmeal, Elakes	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: caesium - 137 Amendments and Addi te Sanitary Inspect Harmful contaminants: Pest contamination and infestation of</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approvided approvided and approvided approximately approved and approvided approximately approved approximately approved approximately approved approximately approxi	wheat barley wheat, maize, barley Bq/kg ved by Resolution No.
Cereal, Datmeal, flakes (as amended by .	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: caesium - 137 Amendments and Addi te Sanitary Inspect Harmful contaminants: Pest contamination and infestation of grain (insects,</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approvided approvided and approvided approximately approved and approvided approximately approved approximately approved approximately approved approximately approxi	wheat barley wheat, maize, barley Bq/kg ved by Resolution No. 28.06.2010)
Cereal, Datmeal, flakes (as amended by .	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: caesium - 137 Amendments and Addi te Sanitary Inspect Harmful contaminants: Pest contamination and infestation of grain (insects, mites)</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approvided a second secon	wheat barley wheat, maize, barley Bq/kg ved by Resolution No. 28.06.2010) wheat,
Cereal, Datmeal, flakes (as amended by .	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: caesium - 137 Amendments and Addi te Sanitary Inspect Harmful contaminants: Pest contamination and infestation of grain (insects, mites)</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approvided a second secon	wheat barley wheat, maize, barley Bq/kg ved by Resolution No. 28.06.2010) wheat, barley
Cereal, Datmeal, flakes (as amended by .	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: caesium - 137 Amendments and Addi te Sanitary Inspect Harmful contaminants: Pest contamination and infestation of grain (insects, mites)</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approvided a second secon	wheat barley wheat, maize, barley Bq/kg ved by Resolution No. 28.06.2010) wheat, barley rye,
Cereal, Datmeal, flakes (as amended by .	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: caesium - 137 Amendments and Addi te Sanitary Inspect Harmful contaminants: Pest contamination and infestation of grain (insects, mites)</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approvided a second secon	wheat barley wheat, maize, barley Bq/kg ved by Resolution No. 28.06.2010) wheat, barley
as amended by '1 of Chief Sta	<pre>lead arsenic cadmium mercury Mycotoxins: Aflatoxin B1 Desoxynivalenol T-2 toxin Zearalenone Pesticides: caesium - 137 Amendments and Addi te Sanitary Inspect Harmful contaminants: Pest contamination and infestation of grain (insects, mites) ochratoxin A</pre>	0.2 0.1 0.03 0.005 0.7 1.0 0.1 0.2 according to Clause 1.4.1 60 tions No. 18, approvided a second secon	wheat barley wheat, maize, barley Bq/kg ved by Resolution No. 28.06.2010) wheat, barley rye, oat,

Microbiological indicators:							
Index, group of products	, CFU/g not more -	which th not allo Colifor m bacteri	Pathogeni c, including salmo-	Moulds, CFU/g not more - than	Notes		
1	2	3	4	5	6	7	
1.4.3.1. Cereal not requiring cooking (food concentrate of heat dehydration)	5 x 1E3	0.01	25	0.1	50		
1.4.3.2. Cereal sticks of all types (food concentrate of extrusion technology)	1 x 1E4	1.0	25	0.1	50		

maize, barley, millet (panicum), rice,	2 Toxic elements: lead arsenic cadmium mercury Mycotoxins:	mg/kg, not more 3 0.5 0.2 0.1 0.03	4
Wheatflour, including for pasta, rye, triticale, maize, barley, millet (panicum), rice,	Toxic elements: lead arsenic cadmium mercury Mycotoxins:	0.2 0.1	4
Wheatflour, including for pasta, rye, triticale, maize, barley, millet (panicum), rice,	lead arsenic cadmium mercury Mycotoxins:	0.2 0.1	
including for pasta, rye, triticale, maize, barley, millet (panicum), rice,	arsenic cadmium mercury Mycotoxins:	0.2 0.1	
pasta, rye, triticale, maize, barley, millet (panicum), rice,	cadmium mercury Mycotoxins:	0.1	
triticale, maize, barley, millet (panicum), rice,	mercury Mycotoxins:		
maize, barley, millet (panicum), rice,	Mycotoxins:	0.03	
millet (panicum), rice,	-		
(panicum), rice,	aflatowin P1		
		0.005	
		0.7	wheat
buckwheat,		1.0	barley
sorgum flour	T-2 toxin	0.1	
	zearalenone	0.2	wheat,
			maize,
			barley
	Pesticides <*>:		_
	Hexachlorocyclohe	0.5	
	xane		
	(alpha-, beta-,		
	gamma-isomers),		
	DDT and its	0.02	from grain
	metabolites	0.05	from grain
			legumes
	hexachlorobenzene	0.01	wheat
	organomercuric		
	pesticides	not allowed	
	2, 4-D acid, its	not allowed	
	salts and esters		
		60	Bq/kg
	caesium - 137		1. 5
		1	
		tions No. 18, approved	
NO. /I OI Chiel S	State Sanitary Ins	pector of the RF dated	d 28.06.2010)
	Harmful		
	contaminants:		
	Pest	not allowed	
	contamination and		
	infestation of		
	grain (insects,		
	mites)		

	infestation by the causative agent of "potato disease" of grain		for wheatflour, used for bread making of wheat types; after 36 hours after test laboratory baking
	ochratoxin A	0.005	wheat, barley rye, oat, rice
No. 41 of Chie	f State Sanitary Ins y Resolution No. 43	tions No. 2, approved spector of the RF date of Chief State Sanita	ed 15.04.2003, No.
1.4.5.	Toxic elements:		
Pasta	lead		
		0.5	
	arsenic	0.2	
	cadmium	0.1	
	mercury	0.02	
	Mycotoxins,	according to Clause	
	pesticides	1.4.4	
	Radionuclides:	60	Bq/kg
	caesium - 137		
	Strontium-90	30	the same

	Micr	obiologi	cal ind	icators:		
Index, group of products	, which the indicator is CFU/g not allowed			and mo- ulds	Notes	
	more - than	Colifor m bacteri a - (colifo rms)	aureus	salmo- nella	(total amo- unt), CFU/g not more than	
1	2	3	4	5	6	7
1.4.5.1. Pasta containing eggs	-	-	-	25	-	
1.4.5.2. Instant noodles with milk based additives (with dry skimmed milk, dry whole cow milk, with curds)	5 x 1E4	0.01	0.1	25		
1.4.5.3. Instant noodles with plant based additives (with food boltings, with wheat germ flakes, with dry vegetable powder, with laminaria)	5 x 1E4	0.1		25	100	
1.4.5.4. Protein-free pasta	1 x 1E5	0.01	-	25	200 <*>	<*> Yeast, 100 CFU/g not more than

Index, group of products		Permissible levels, mg/kg, not more	Note
1	2	3	4
1.4.6. Food boltings (wheat, rye)	See Section "Other	Products", Clause 1.	9.4.
	Toxic elements:		
and fancy bakery	lead	0.35	
products	arsenic	0.15	
	cadmium	0.07	
	mercury	0.015	
	Mycotoxins, pesticides	according to Clause 1.1.4	
	Radionuclides: caesium - 137	40	Bq/kg
	strontium-90	20	the same

	Micr	obiologi	ical i	ndicat	ors:		
Index, group of products	, CFU/g not more -	which th not allo Colifor m	ne ind owed S. aureu	icator Bacte ria	Patho- genic,	CFU/g not more than	Notes
	than	bacteri a (colifo rms)	S	Pro- teus	includ ing salmo- nella		
1	2	3	4	5	6	7	8
1.4.7.1. Bakery products (including pies, pancakes) with fruit and vegetable stuffings	1 x 1E3		1.0	-	25	50	
(as amended by Amer No. 41 of Chief Sta							
1.4.7.2. Bakery products with curds, cheese: khachapuri, pancakes (including frozen), etc.	1 x 1E3		1.0	0.1	25	50	
1.4.7.3. Bakery products with scalded cream	5 x 1E3		1.0	_	25	50	
1.4.7.4. Bakery products with meat products, fish and seafood	1 x 1E3	1.0	1.0	0.1	25	50	

Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more	
1	2	3	4
1.4.8.	Toxic elements:		
Bread-rings,	lead		
crackers,		0.5	
bread	arsenic	0.2	
sticks,	cadmium	0.1	
solomka, etc.	mercury	0.02	
	Mycotoxins,	according to Clause	
	pesticides	1.4.4	
	Radionuclides:	50	Bq/kg
	caesium - 137		
	strontium-90	30	the same
1.4.9.	See Section "Sugar	and Confectionery",	Clause 1.5.5
Flour			
confectionery			

<*> It is also required to control residual quantities of the pesticides used for production of food raw material (see Clauses 3.12, 3.13).

Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more	
1	2	3	4
1.5.1.	Toxic elements:		
Sugar	lead		
		0.5	
	arsenic	1.0	
	cadmium	0.05	
	mercury	0.01	
	Pesticides <*>:	0.005	
	hexachlorocyclohe		
	xane		
	(alpha-, beta-,		
	gamma-isomers)		
	DDT and its	0.005	
	metabolites		
(as amended by A	mendments and Addi	tions No. 18, approve	d by Resolution
No. 71 of Chief	State Sanitary Ins	pector of the RF dated	d 28.06.2010)
1.5.2.	Toxic elements:		
Sugar products,	lead		
confectionery,		1.0	
east sweeties,	arsenic	1.0	
chewing gum	cadmium	0.1	
	mercury	0.01	
	Mycotoxins:	0.005	for products
	aflatoxin B1		containing nuts
	Pesticides		
	<*>, <**>		
		tions No. 18, approved pector of the RF dated	

1.5. Sugar and Confectionery

	Micro	obiologi	cal indic	ators:		
Index, group of products	, CFU/g, not more than	(g) in indicat allowed Colifor m bacteri	Pathogeni c, including salmonell	CFU/g, not more	Moulds, CFU/g, not more than	Note
		rms)	-			_
1	2	3	4	5	6	7
1.5.2.1.						
Non-glazed candies and sweets:		1 0	0.5	1.0	5.0	
- fondant, milk	5 x 1E3	1.0	25	10	50	
- praline-based, with pastry fat	1 x 1E4	0.01	25	50	100	
(as amended by Ame Resolution No. 71 28.06.2010) 1.5.2.2.						
Glazed candies and sweets with bodies:						
(as amended by Ame Resolution No. 71 28.06.2010)						
- fondant, fruit, marzipan, candied roasted nuts	1 x 1E4	1.0	25	50	50	
- milk, whipped	5 x 1E4	0.1	25	50	50	
- from dried fruit	5 x 1E4	0.1	25	200	100	
<pre>- from candied fruit, exploded cereals, liqueur, jelly</pre>	1 x 1E4		25	50	50	
(as amended by Ame Resolution No. 71						-
28.06.2010) - cream, praline- based	5 x 1E4	0.01	25	50	100	
1.5.2.3.						
Diabetic sweets	5 x 1E3	1.0	25	50	50	
1.5.2.4.						

Dragee (all names)	1 x 1E	40.1	25	50	50	
1.5.2.5. Caramel non-glazed:	E 1	01.0	25	50	50	
- boiled sweets, with fondant, liqueur, fruit- and-berry, whipped fillings	5 x 1E	21.0	25	50	50	
- with nut, chocolate-nut, chocolate, cream and other fillings	5 x 1E	30.1	25	50	50	
1.5.2.6.						
Glazed caramel with fillings						
- fondant, fruit	1 x 1E	40.1	25	50	50	
- milk, whipped, nut	5 x 1E	40.1	25	50	50	
1.5.2.7.						
Diabetic hard candy	5 x 1E	21.0	25	50	50	
1.5.2.8.						
Toffee (all names)	1 x 1E	31.0	25	10	10	
1.5.2.9.						
Chewing gum	5 x 1E	21.0	25	50	50	
1.5.2.10.						
Halvah:						
- glazed	1 x 1E	40.01	25	50	50	
- non-glazed	5 x 1E	40.01	25	50	50	
1.5.2.11.						
Pastilas and						
fruit jelly: - non-glazed pastila, marsh- mallow, jelly	1 x 1E	30.1	25	50	100	
marsh-mallow,	5 x 1E	30.1	25	50	100	
jelly sweets - diabetic pastilas and fruit jelly	1 x 1E	31.0	25	50	50	
1.5.2.12.						1

East sweeties:							
type,	5 :	x 1E3	0.1	25	100	100	
koskhalva, oila - soft sweet type	1 :	x 1E4	0.1	25	100	100	
glazed - sherbets	5 :	x 1E3	0.1	25	200	100	
- rahat lakoum	1 :	x 1E4	0.01	25		100	
1.5.2.13.							
Caramel-type East candies							
- toasted nuts	1 :	x 1E3	1.0	25	50	50	
- kozinak	5 :	x 1E3	0.1	25	50	50	
- caramel-type glazed	1 :	x 1E4	0.1	25	50	50	
1.5.2.14.							
Sugar decoration semi-finished products, vermicelli-type	1 :	x 1E3	1.0	25	50	50	

Index, group of products	Indicators	Permissible levels, mg/kg, not more than	Note
1	2	3	4
1.5.3. Sacchariferous confectionary: chocolate and chocolate products	Toxic elements: lead arsenic cadmium mercury	1.0 1.0 0.5 0.1	
	Mycotoxins: aflatoxin B1 Pesticides <*>,	0.005	
_		ditions No. 18, appro Sanitary Inspector o	=

	Micro	obiologi	cal indic	ators:		
Index, group of products	, CFU/g not more than	(g) in v indicate allowed Colifor m bacteri	Pathogeni c, including salmonell	CFU/g, not more than	Moulds, CFU/g, not more than	Note
1	2	3	4	5	6	7
fondant chocolate without additives - plain and fondant chocolate with additives - chocolate with fillings, and Assorts-type sweets, confectionary bars	5 x 1E4	0.1	25 25 25	50 50 50	50 100 100	
1.5.3.2. Diabetic chocolate	5 x 1E3	0.1	25	50	50	
1.5.3.3. Pastes, creams: - milky, chocolate - nut	5 x 1E3 5 x 1E4		25 25	50 50	50 100	

Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more	
produces		than	
1	2	3	4
±	2	5	1
1.5.4.	Toxic elements:		
Cacao beans and			
cacao products	lead	1.0	
	arsenic	1.0	
	cadmium	0.5	
	mercury	0.1	
	mereury		
	Mycotoxins:	0.005	
	aflatoxin B1		
	Pesticides <*>:		
	hexachlorocycloh	0.5	
	exane		
	(alpha-, beta-,		
	gamma-isomers)		
	DDT and its	0.15	
	metabolites		
(as amended by A	Amendments and Add	ditions No. 2, approv	ved by
Resolution No. 4	41 of Chief State	Sanitary Inspector	of the RF dated
15.04.2003, No.	18, approved by H	Resolution No. 71 of	Chief State
Sanitary Inspect	tor of the RF date	ed 28.06.2010)	

Microbiological	indicators:
-----------------	-------------

Index, group of	OMAFAnM	Mass of	products	Yeast	Moulds,	Note
products			which the		CFU/g,	
produces	CFU/q,	-	or is not	-	not	
		allowed			more	
			Pathogeni		than	
			2	CIIAII	CIIAII	
			с,			
			including			
		a	salmonell			
		(colifo	a			
		rms)				
1.5.4.1.						
Cocoa powder:						
- marketable for	1 x 1E5	0.01	25	100	100	
commercial processing	1 x 1E4	0.01	25	100	100	

I

Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more	
		than	
1	2	3	4
1.5.5.	Toxic elements:		
Flour			
confectionery	lead	0.5	
	arsenic	0.3	
		0.1	
	mercury	0.02	
	Mycotoxins:	0.005	
	aflatoxin Bl		
	, , , ,	0.7	
	dezoxynivalenol	0.7	
	Pesticides <*>:		
	hexachlorocycloh	0.2	
	exane		
	(alpha-, beta-,		
	gamma-isomers)		
	-	0.02	
	metabolites		
		ditions No. 18, appro	oved by
-		Sanitary Inspector	-
28.06.2010)			

Microbiological indicators:

Index, group of	QMAFAnM	Mass	of pro	oducts	Yeast	Moulds,	Note
products	,	(g) i	n whic	ch the	CFU/g,	CFU/g,	
	CFU/g,	indic	ator :	is not	not	not	
	not	allow	ed		more	more	
	more	Colif	s.	Pathog	than	than	
	than	orm	aureu	enic,			
		bacte	s	includ			
		ria		ing			
		(coli					
		forms		salmon			
)		ella			
1	2	3	4	5	6	7	8
1.5.5.1.							
Pies and pastry							
sponge cakes,							
puff, short							
pastry,							
meringues,							
scalded, crumbs,							
with decorations,							
including frozen							
-							

- creamy	5 x	1E4	0.01 <*>	0.01 <*>	25	100	50	<pre><*> not allowed in 0.1 g for the products with shelf life of 5 days or</pre>
- whipped egg- whites, soufflé-	1 x	1E4	0.01 <*>	0.01 <*>	25	50	100	more <*> the same
type - fruit, fondant, made of chocolate glaze		1E4	0.01 <*>	0.1 <*>	25	50	100	<*> the same
- fatty	5 x	1E4	0.01 <*>	0.1 <*>	25	50	100	<*> the same
- cottage-cheese- creamy	5 x	1E4		0.1 <*>	25	- <**>	- <**>	<*> the same <**> yeast - 5 0, mould - 100CFU/g max, for the products with shelf life of 5 days or
- "potato"-type	5 x	1E4	0.01	0.1 <*>	25	50	100	more <*> the
- with scalded cream	1 x	1E4	<*> 0.01 <*>	1.0 <*>	25	50	100	same <*> the same
1.5.5.2. Pies and	1 x		1.0	0.1	25	50	50	
pastry without decoration, with decoration based on margarine, vegetable cream and fat	1E4		<*>					
1.5.5.3. Diabetic pies, pastry, and rolls	5 x	1E3	0.1	1.0	50	50	50	
1.5.5.4. Wafer cake with fillings: - fatty	5	1 ന ാ	0.1	_	25	50	50	
- fatty - praline, chocolate-nut			0.01		25	50	50	
1.5.5.5. Sponge rolls with fillings:								
- creamy, fatty	5 x	1E4	0.01	0.1	25	50	100	
- fruit, candied fruit, poppy seed, nuts	1 x	1E4	1.0	1.0	25	50	100	

			1			1		
1.5.5.6.								
Cakes:								
- with sugar	5 x	1E3	0.1		25	50	50	
powder								
5	5 x	1E3	0.1		25	50	100	
nuts, candied								
fruit, with								
fruity or rum								
impregnation	_		0 1	0 1	0.5	5.0	5.0	
1.5.5.7. Cakes	5 х	1E3	0.1	0.1	25	50	50	
and rolls in								
airproof package								
1.5.5.8.								
Wafers:								
- without	5 x	1E3	0.1		25	50	100	
filling, with	- ···							
fruit, fondant,								
fatty fillings								
- with nut-	5 x	1E4	0.01		25	50	100	
praline filling,								
in chocolate								
glaze								
1.5.5.9.								
Gingerbread,								
honey-cakes:								
- without filling	2.5	х	1.0		25	50	50	
	1E3							
- with filling	5 x	1E3	0.1	-	25	50	50	
1.5.5.10.								
Cookies:								
	1 x	1E4	0.1		25	50	100	
cookies with								
chocolate glaze								
- with creamy	1	1 /	0 1	0.1	25	50	100	
- with creamy layer,	т х	т £ 4	U • 1	U. T	20	50		
filling								
	1 x	1E3	1.0		25		100	
crackers								
1.5.5.11.								
Flour East								
sweeties:								
	_	1 - 0	1 0		0 F	ΕO	FO	
1 5	зх	1E2	1.0		25	50	50	
with cinnamon,								
kurabie, shaker- lucum, shaker-								
churek								
	5 ×	1E3	1.0		25	50	50	
	Ŭ Â	τuJ			-			
- rolls and tubes	1 x	1E3	1.0		25	50	50	
with nuts								
- glazed	1 x	1E4	0.1		25	50	100	
	1		1	1	1	1	1	1

Index, group of	Indicators	Permissible levels,	Note			
products		mg/kg, not more				
		than				
1.5.6. Honey	Toxic elements:					
	lead	1.0				
	arsenic	0.5				
	cadmium	0.05				
	Oxymethylfurfuro l	25				
	Pesticides: hexachlorocycloh exane (alpha-, beta-, gamma-isomers)	0.005				
	DDT and its metabolites	0.005				
	Antibiotics <*> (in imported products based on the information provided by the supplier):					
	tetracycline group	0.01				
Resolution No.	71 of Chief State	ditions No. 18, appro Sanitary Inspector of Resolution No. 177 of	of the RF dated			

28.06.2010, No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010, Amendments No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011)

<*> It is also required to control residual quantities of the pesticides and antibiotics used for production of food raw material (see Clauses 3.12, 3.13, 3.15).

(the note was amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

<**> Allowable levels of hexachlorocyclohexane ($\alpha,\beta,\gamma-isomers)$ and DDT and its metabolites are calculated based on the main kind(s) of raw material, both on the mass fraction basis, and for allowable levels of rated pesticides.

		it and vegetable Pro	aucts
Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more	
		than	
1	2	3	4
1.6.1.	Toxic elements:		
Fresh and			
quick-frozen	lead	0.5	
vegetables,	IEau		
potato, water-		0.4	Fruit, berries
melons, gourds,	arsenic	0.2	
fruit, berries,		0.5	Mushrooms
mushrooms	cadmium	0.03	
		0.1	Mushrooms
	mercury	0.02	
		0.05	Mushrooms
	mercury	0.02	

1.6. Fruit and Vegetable Products

Clause 1.6.1.in the Amendments and Additions No. 18 to the Sanitary and Epidemiological Rules and Regulations SanPiN 2.3.2.1078-01 in the part of amendment of the indicator "Nitrates" with the lines "fresh lettuce" and "iceberg lettuce" shall enter into force after the mentioned norm has been included in the Uniform Sanitary Requirements of the Customs Union.

Nitrates: Potato early green head cabbage (before September 1)	250 900	
late green head cabbage	500	
early carrot (before September 1)	400	
late carrot	250	
tomatoes	150,300	Protected ground
cucumbers	150,400	Protected ground
table beet bulb onion	1400 80	
green onion	600,800	Protected ground
<pre>leaf vegetables(salad s, spinach, salad, cabbage, parsley, celery, coriander, fennel, etc.)</pre>	2000	

	sweet pepper	200 400	
			Protected ground
	Marrow squashes Watermelons	400 60	
	Melons	90	
	fresh lettuce	4500	grown in protected ground from October 1 till March 31
		4000	grown in unprotected ground from October 1 till March 31
		3500	grown in protected ground from April 1 till September 30
		2500	grown in unprotected ground from April 1 till September 30
	iceberg lettuce	2500	grown in protected ground
I			
		2000	grown in unprotected ground
Resolution No.		2000 ditions No. 18, ap Sanitary Inspecto	unprotected ground proved by
Resolution No.	71 of Chief State Pesticides <*>: hexachlorocycloh	ditions No. 18, ap Sanitary Inspecto	unprotected ground proved by
	71 of Chief State Pesticides <*>:	ditions No. 18, ap Sanitary Inspecto	unprotected ground proved by r of the RF dated Potato,
Resolution No.	71 of Chief State Pesticides <*>: hexachlorocycloh exane (alpha-, beta-,	ditions No. 18, ap Sanitary Inspecto	unprotected ground proved by r of the RF dated Potato, green pea, sugar beet Vegetables, gourds,
Resolution No.	71 of Chief State Pesticides <*>: hexachlorocycloh exane (alpha-, beta-,	ditions No. 18, ap Sanitary Inspecto	unprotected ground proved by r of the RF dated Potato, green pea, sugar beet Vegetables, gourds, mushrooms Fruit, berries
Resolution No.	71 of Chief State Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers) DDT and its metabolites	ditions No. 18, ap Sanitary Inspecto 0.1 0.5	unprotected ground proved by r of the RF dated Potato, green pea, sugar beet Vegetables, gourds, mushrooms Fruit,
Resolution No.	71 of Chief State Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers) DDT and its	ditions No. 18, ap Sanitary Inspecto 0.1 0.5 0.05	unprotected ground proved by r of the RF dated Potato, green pea, sugar beet Vegetables, gourds, mushrooms Fruit, berries
Resolution No.	71 of Chief State Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers) DDT and its metabolites	ditions No. 18, ap Sanitary Inspecto 0.1 0.5 0.05	unprotected ground proved by r of the RF dated Potato, green pea, sugar beet Vegetables, gourds, mushrooms Fruit, berries
Resolution No. 28.06.2010)	71 of Chief State Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers) DDT and its metabolites Radionuclides:	ditions No. 18, ap Sanitary Inspecto 0.1 0.5 0.05 0.1	unprotected ground proved by r of the RF dated Potato, green pea, sugar beet Vegetables, gourds, mushrooms Fruit, berries grapes,

	strontium-90	40	same
berries in wild nature	caesium - 137	160	same
	strontium-90	_	the norms are
			not established
mushrooms	caesium-137	500	Bq/kg
	strontium-90	-	the norms are
			not established
fruit, berries,	caesium -137 and	-	the norms are
grapes	strontium-90		not established
(as amended by A	Amendments and Ado	ditions No. 18, appro	oved by
Resolution No. 7	1 of Chief State	Sanitary Inspector of	of the RF dated
28.06.2010)			

Index group of			cal indic			Mor	lda	Note
Index, group of	QMAFANM		products					INOLE
products	/	(g, cm3		CFU.		CFU	2.	
		which t		not		not		
			or is not			mor	-	
	more	allowed		tha	n	tha	n	
	than	Colifor	Pathogeni					
		m	с,					
			including					
			salmonell					
		(colifo	a					
		rms)						
1	2	3	4	5		6		7
1.6.1.1.								
Vegetables and								
potatoes, fresh,								
fresh-frozen and								
processed:								
- whole fresh	1 x 1E4	1.0	25	1 x	1E2	1 x	1E2	L.
vegetables								monocytoger
								es in 25 g
								are not
								admitted
blanched, fresh-								
frozen								
- fresh whole	1 x 1E5	0.01	25	5 x	1E2	5 x	1E2	<*> for cut
vegetables, non-	<*>							vegetables,
blanched, fresh-								including
frozen								mixtures -
								5 x 1E5
- green and leaf	5 x 1E5	0.01	25	5 x	1E2	5 x	1E2	in blanched
vegetables,								L.
fresh-frozen								monocytogen
								es in 25 g
								are not
								admitted
- fresh-frozen	1 x 1E4	1.0	25	1 x	1E2	1 x	1E2	
blanched								
mushrooms								
- potato semi-	5 x 1E4	0.01	25	1 x	1E3			
finished					_ 5			
products, fresh-								
frozen (garnish								
potato, potato								
chops, meatballs,								
etc.)								
- salads and	5 x 1E4	0.1	25	1	1 ⊑ 🤈	1 v	1E2	т.
Saraus and		l	1- 0	IT ~	ے نتا ب	I_ ~	ے نتا یہ	L

<pre>mixtures made of blanched vegetables, fresh-frozen - vegetable puree semi-finished products, fresh- frozen</pre>	5 x 1E4	0.1	25	2 x 1E2	2 x 1E2	monocytogen es in 25 g are not admitted Sulphite- reducing clostridia in 1 g are not
- vegetable chops, fresh- frozen (semi- finished	1 x 1E5	0.1	25	1 x 1E3		admitted
products) vegetable and potato semi- finished products in dough coating			25		2 x 2 10	
(as amended by Ame Resolution No. 71 28.06.2010						-
1.6.1.2. Fruit, berries, grapes quick-frozen and processed						
- fruit of seed- bearing and smooth-skinned drupaceous, guick-frozen	5 x 1E4	0.1	25	2 x 1E2	2 x 1E3	
- fruit of nappy drupaceous, quick-frozen	5 x 1E5	0.1	25	5 x 1E2	1 x 1E3	
-	5 x 1E4	0.1	25	2 x 1E2	5 x 1E2	
- strained or crushed berries, quick-frozen	1 x 1E5	0.01	25	5 x 1E2	1 x 1E2	
- dessert fruit and berry dishes, fresh-frozen	1 x 1E3	1.0	25		1E2 <*>	<*> total amount of yeast and mould
- semi-finished products dessert fruit	1 x 1E5	0,1	25		1 x 1E3 <*>	<*> the same
- fruit semi- finished products in dough coating quick-frozen	10	0,01	25	1 x 3 10	3 10	<*> - total amount of yeast and mould
(introduced by Ame Resolution No. 71 28.06.2010)						

Index, group of products		Permissible levels, mg/kg, not more than	Note
1	2	3	4
			in terms of original product subject to the content of dry substances in the raw and final product
Potato	Radionuclides: caesium - 137	600	Bq/kg
vegetables, gourds berries	caesium - 137 strontium-90	200	the same the same the same the same
mushrooms (as amended by A Resolution No. 4 15.04.2003, No.	Amendments and Add	2500 ditions No. 2, approv Sanitary Inspector of Resolution No. 71 of ed 28.06.2010)	of the RF dated

Microbiological indicators:

Index, group of	QMAFAnM	Mass of	products	Moulds, CFU/g	Note
products	,	(g, cm^{3})	in which	not more than	
			icator is		
		not all	owed		
	more			-	
	than	Colifor	Pathogeni		
		m	с,		
			including		
			salmonell		
		(colifo	a		
1		rms)		-	6
1	2	3	4	5	6
1.6.2.1. Dried vegetables and potato:					
- dried vegetables non- blanched before drying	5 x 1E5	0.01	25	5 x 1E2	B. cereus 1 x 1E3 CFU/g, not more than
- dry potato mash	5 x 1E4	0.1	25	5 x 1E2	
- dried potato and other root crops blanched before drying	2 x 1E4	0.01	25	5 x 1E2	
- potato chips	1 x 1E3	0.1	25	_	
- chips and extruded products with flavour additives	1 x 1E4	0.1	25	2 x 1E2	
--	---------	-------	----	-----------------	--
1.6.2.2. Dried fruit and berries: - fruit and berries (dried fruit)	5 x 1E4	0.1	25	5 x 1E2	yeast 5 x 1E2 CFU/g, not more than
- fruit and berries, fruit- and-berry purée of sublimation drying	5 x 1E4	0.1	25	1 x 1E2	enan
- candied fruit	1 x 1E3	1.0	25		yeast 5 0 CFU/g, not
(as amended by Ame Resolution No. 41 15.04.2003)				. 2, approved b	
1.6.2.3. Dried mushrooms	5 x 1E5	0.001	25	5 x 1E2	
1.6.2.4.					
Edible concentrates: - vegetable and fruit desserts (heat-dried)	5 x 1E3	1.0	25		S.aureus in 1 g and B. cereus in 0.1 r are not allowed
- vegetable powders (of sublimation drying)	5 x 1E4	0.01	25	1 x 1E2	

Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more	
a.		than	
1	2	3	4
1.6.3.	Toxic elements:		
Canned			
vegetables,	lead	0.5 0.4 1.0	Fruit, berries
fruit,			in assembled
berries			tin containers
	arsenic	0.2	
	cadmium	0.03	
		0.05	in assembled
			tin containers
	mercury	0.02	
	stannum	200.0	in assembled
			tin containers
	chrome	0.5	in chromium-
			plated package
	Mycotoxins:		
	Patuline	0.05	apple, tomato,
	2 0 0 0 2 2 1 0		sea-buckthorn
			Sea Duenenorn
	Nitrates,	according to Clause	
	pesticides,	1.6.1	
	radionuclides		

Microbiological indicators:

Index, group of products	Requirements
1.6.3.1. Canned vegetables with pH of not less than 4.2, canned apricots, peaches and pears with pH of not less than 3.8 produced without addition of acid	Shall satisfy requirements for industrial sterility for canned food of group "A" in accordance with Annex 8 to these Sanitary Rules
1.6.3.2. Non-concentrated whole canned tomatoes with dry matter content of less than 12%	Shall satisfy requirements for industrial sterility for canned food of group "B" in accordance with Annex 8 to these Sanitary Rules.
1.6.3.3. Canned vegetables with pH of 3.7 - 4.2	Shall satisfy requirements for industrial sterility for canned food of group "C" in accordance with Annex 8 to these Sanitary Rules
7.6.3.4. Canned vegetables (with pH of less than 3.7), fruit and fruit-and-berry pasteurized, canned foods for public catering with sorbic acid and pH of less than 4.0; canned apricots, peaches and pears with pH of less than 3.8	Shall satisfy requirements for industrial sterility for canned food of group "D" in accordance with Annex 8 to these Sanitary Rules

- , c	Tootoma	- ''	NT - + -
Index, group of	Indicators	101111001010 101010,	Note
products		mg/kg, not more	
		than	
1	2	3	4
1.6.4.	Toxic elements:		
Canned			
mushrooms]]	0.5	
	lead		
		1.0	in assembled
			tin containers
	arsenic	0.5	
	cadmium	0.1	
	mercury	0.05	
	stannum	200.0	in assembled
			tin containers
	chrome	0.5	in chromium-
			plated package
			piacea package
	Pesticides,	according to Clause	
	radionuclides:	1.6.1	
	Microbiologi	cal indicators:	
Shall satisfy re	equirements for in	ndustrial sterility	for canned food
of group "A" (na	atural mushrooms)	or canned food of g	roup "B"
(pickled mushroo	oms) in accordance	e with Annex 8 to the	ese Sanitary
Rules			-

Index, group	Indicators	Permissible levels,	Note
of products		mg/kg, not more	
1	2	3	4
1.6.5. Vegetable, fruit, berry juices, nectars,fruit waters,concentr ates, semi- finished products (canned); fruit and fruit-and- berry,flavoured ice-cream and food service ice	Toxic elements		
- juices, nectars,semi- finished products,ice- cream	lead arsenic	0.5 0.4 1.0	vegetable, fruit, berry in assembled tin containers
	cadmium	0.03 0.05	in assembled tin containers
	mercury stannum	0.02 200	in assembled tin containers

1	chrome	0.5	in chromium-		
			plated package		
- beverages,	lead	0.3			
food service ice	arsenic	0.1			
	cadmium mercury	0.03 0.005			
- concentrates		according to Clause 1.6.1	in terms of original product subject to content of dry substances in the raw material and the final product		
	Mycotoxins:		L		
- vegetable, fruit juices, beverages, concentrates,	patuline	0.05	apple, tomato, sea-buckthorn		
semi-finished products	patuline	0.05	tomato pulp, apple pulp		
- juices, beverages, concentrates,	Nitrates, pesticides	according to Clause 1.6.1	for beverages and concentrates in terms of original product subject to content of dry substances in the raw material and the final product		
	Radionuclides:				
– juices, beverages	caesium-137 strontium-90	according to Clause			
(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003, No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)					

Microbiological indicators:				
Index, group of products	Requirements			
1.6.5.1. Preserved vegetable juices with pH 4.2 or more	Shall satisfy requirements for industrial sterility for canned food of group "A" in accordance with Annex 8 to these Sanitary Rules			
1.6.5.2. Preserved tomato beverages with dry substance content of less than 12%	Shall satisfy requirements for industrial sterility for canned food of group "B" in accordance with Annex 8 to these Sanitary Rules			

1.6.5.3. Concentrated tomato products with dry substance content of more than 12% (tomato pastes, tomato sauces)	Shall satisfy requirements for industrial sterility for canned food of group "B" in accordance with Annex 8 to these Sanitary Rules. Mould content by Howard in tomato paste should not exceed 40% Of visual field.
1.6.5.4. Sterilized tomato ketchups with dry substance content 12% and more	Shall satisfy requirements for industrial sterility for canned food of group "B" in accordance with Annex 8 to these Sanitary Rules.
1.6.5.5. Vegetable juices with pH 3.7-4.2 (with acid addition)	Shall satisfy requirements for industrial sterility for canned food of group "C" in accordance with Annex 8 to these Sanitary Rules
1.6.5.6. Vegetable juices with pH below 3.7; fruit (made of citruses), fruit and berry including those with sugar, natural with pulp, concentrated, pasteurized; preserved apricot, peach and pear juices with pH 3.8 and less	Shall satisfy requirements for industrial sterility for canned food of group "D" in accordance with Annex 8 to these Sanitary Rules

Index, group of	OMAFAnM	Mass of	products	Veast	Mould	Note
products	211111111	(g, cm3		CFU/cm3	,	
produces	CFU/cm3	-			, not	
			or is not	-	more	
	1	allowed			than	
			Pathogeni	CIIGII	CIIGII	
			2			
			c, including			
			salmo-			
		a (colifo				
		(COLLIO rms)	петта			
1	2		4	5	6	7
	2	5	4	5	0	/
	50	1000		1.0 <*>	5 0	1
1.6.5.7. Fruit	50	1000		1.0 <^/		lactic acid
and berry juices						microorgani
and beverages,						sms in 1cm3
pasteurized,						are not
carbonated with						admitted;
pH 3.7 or less						<*> weight
						of cm3, in
						which the
						indicator
						is not
						allowed

1.6.5.8. Concentrates of fruit, fruit and berry and berry juices for industrial processing and: pasteurized	Shall satisfy requirements for industrial sterility for canned food of group "D" in accordance with Annex 8 to these Sanitary Rules					
non-pasteurized including quick- frozen	5 x 1E3	1.0	25	2 x 1E3	5 x 1E2	
1.6.5.9. Non-sterilized tomato sauces and ketchups, including those with preservative addition	5 x 1E3	1.0	25	50	50	sulphite- reducing clostridia in 0.1 cm3 are not allowed
1.6.5.10. Fruit and berry ice- cream and fruit ice based on sugar syrup, including flavoured	1 x 1E5	0.01	25	100	100	
(as amended by Ame Resolution No. 41 15.04.2003)						
1.6.5.11. Mixtures for fruit and berry ice cream and fruit ice	5 x 1E4	0.01	25	100	100	Dry mixtures are controlled after reconstitut ion with water
1.6.5.12. Vegetable and fruit juices, which are fresh- squeezed and sold without storage	accordi	ng to Cl	lause 1.9.	15.16		·

Index, group of products		Permissible levels, mg/kg, not more	Note
1	2	3	4
marmalade, fruit pastes, confitures, fruit and			in assembled tin containers
with sugar and	arsenic	1.0 0.05	

other fruit and berry	nercury		0.02				
concentrates with sugar	stannum		200.0				embled
	chrome		0.5			in chromed containers	
	Mycotoxin Patuline	s:	0.05			apple, sea- buckthorn	
	Nitrates, pesticide	s <**>					
(as amended by A Resolution No. 7 28.06.2010)							
	Micr	obiolog	ical indi	cators:			
Index, group of products	, CFU/g, not more than	(g, cm3) which th indicate allowed Colifor m bacteri	he or is not Pathogeni C, including salmonell	CFU/g, not more than	CFU not	100,	Note
1	2	3	4	5	6		7
1.6.6.1. Jams, marmalade, fruit pastes, confitures, frui and berries crushed with sugar and other fruit and berry concentrates wit sugar, non- sterilized		1.0	25	50	50		
1.6.6.2. Jams, marmalade, fruit pastes, confitures, frui and berries crushed with sugar and other fruit and berry concentrates wit sugar, exposed t various thermophysical treatment	for can Annex 8 t	ned food	equiremen l of grou se Sanitar	p "D" ir	n ac		sterility

Index, group of products		Permissible levels, mg/kg, not more	Note
1	2	3	4
mushrooms	-	according to Clause 1.6.1	

	Microbiological	ind	icators:	
Index, group of products	Mass of products (g, not allowed	, cm3) in which	the indicator is
	Mesophilic sulphite reducing clostridia	_	Pathogenic salmonella	including
1.6.7.1. Ready to use sour and brined vegetables (cabbage, cucumbers, tomatoes etc.);			25	
soaked and brined fruits, including cucurbits crop (packaged and non-packaged)				
1.6.7.2. Mushrooms preserved: brined and pickled in barrels, cooked in barrels	0.1		25	

Index, group of products		Permissible levels, mg/kg, not more	Note
1.6.8. Spices and dried spice	Toxic elements:		
plants	lead arsenic	5.0 3.0	
(as amended by A		0.2 ditions No. 18, appro Sanitary Inspector o	-

	Micr	obiolog	ical ind	dicators:		
Index, group of products	, CFU/g, not more than	indicat Colifor m bacteri a (colifo	which to or is no Sulphit e- reducin	the ot allowed Pathogeni c, including salmonell	than	Note
1	2	3	4	5	6	7
1.6.8.1. Spices and spice plants: - ready for use	5 x 1E5	0.01	0.01	25	1 x 1E3	
- spices and spice plants, raw materials: whole black pepper, bayberry, red pepper, coriander, cinnamon, nutmeg, etc.	2 x 1E6	0.001		25	1 x 1E4	
1.6.8.2. Complex food additives with spices and spice plants	5 x 1E5	0.01	0.01	25	2 x 1E2	
1.6.8.3. Flavourings - table mustard and horse reddish	5 x 1E4	0.01	0.01	25	2 x 1E2	

1.6.8.4. Garlic powder (freeze- dried)	5 x 1E31.0	25 1 x	1E2 B.cereus 1 x 1E2 CFU/g max
Index, group of products		Permissible levels, mg/kg, not more	Note
1	2	3	4
1.6.9. Nuts		0.5 0.3 0.1 0.05	
	Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers)	0.5	
	DDT and its metabolites	0.15	
	Mycotoxins: aflatoxin Bl	0.005	
-		ditions No. 18, appro Sanitary Inspector o	=

	Microbio	ological indica	tors:	
Index, group of products	in which the not allowed	indicator is	Moulds, CFU/g not more than	Note
	Coliform bacteria (coliforms)	Pathogenic, including salmonella		
1	2	3	4	5
1.6.9.1. Natural nuts (almond, walnut, peanut, pistachio, butternut, hickory, coconut) pealed, non- roasted	0.01	25	1 x 1E3	
1.6.9.2. Roasted nuts	0.1	25	5 x 1E2	
-			2, approved by inspector of the F	RF dated
1.6.9.3. Chopped dried coconuts	0.01	25	1 x 1E2	

1.6.9.4.	0.01	25	1 x 1E2	
1.6.9.4. Chopped coconuts				
coconuts				

Index, group of	Indicators	Permissible levels,	Note
products	1110100010	mg/kg, not more	
produces		mg/ kg, not more	
1.6.10. Tea	Toxic elements:		
(black, green,			
brick)			
	lead .	10.0	
	arsenic	1.0	
	cadmium	1.0	
	mercury	0.1	
	Mycotoxins:	0.005	
	aflatoxin B1		
	Microbiological		
	indicators:		
	Moulds,	1 x 1E3	CFU/g, not more
			than
(as amended by)	Amendments and Ad	ditions No. 18, appr	oved by
		Sanitary Inspector	
28.06.2010)			
1 (11) 0.55	Toxic elements:		
1.6.11. Coffee	Toxic elements:		
(in beans,			
ground,	lead	1.0	
instant)	arsenic	1.0	
	cadmium	0.05	
	mercury	0.02	
	Mycotoxins:	0.005	
	aflatoxin B1		
	Microbiological		
	indicators:		
	Moulds	5 x 1E2	CFU/g max,
			green coffee
			beans
(as amended by	Amendments and Ad	ditions No. 18, appr	
		Sanitary Inspector	
28.06.2010)	, - or onrer blace		

<*> It is also required to control residual quantities of the pesticides used for production of food raw material (see Clauses 3.12, 3.13).

<**> Nitrates and pesticides shall be calculated for the main type(s) of raw material, both for the mass fraction, and for allowable levels of such contaminants.

		y Raw Materials and Fat Prod	
Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more	
1	2	3	4
		5	т -
1.7.1. Oil	Toxic elements:		
crops seeds	lead	1.0	
(sunflower, soy	arsenic	0.3	
bean, cotton	cadmium	0.1	
plant, maize,		0.5	for poppy seeds
-	mercuric	0.05	for poppy becab
flax, mustard,			
rape, peanut,	Mycotoxins:	0.005	
poppy seed)	aflatoxin Bl		
	Pesticides <*>:		
	hexachlorocycloh	0.2	soy bean,
	exane		cotton plant;
			_
	(alpha-, beta-,	0.4	flax, mustard,
	gamma-isomers)		rape;
		0.5	sunflower,
			peanut, maize
		0.05	
	DDT and its	0.05	soy bean,
	metabolites		cotton plant,
			maize
		0.1	flax, mustard,
		0.1	
			rape,
		0.15	sunflower,
			peanut
(as amonded by	Amendments and Ad	ditions No. 2, appro	wed by
			OT THE KE DATED
Resolution No.			
Resolution No.		Resolution No. 71 of	
Resolution No. 15.04.2003, No.		Resolution No. 71 of	
Resolution No. 15.04.2003, No. Sanitary Inspec	18, approved by tor of the RF dat	Resolution No. 71 of	
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2.	18, approved by tor of the RF dat Indications of	Resolution No. 71 of	
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative	Resolution No. 71 of	
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2.	18, approved by tor of the RF dat Indications of oxidative deterioration:	Resolution No. 71 of ed 28.06.2010)	Chief State
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative	Resolution No. 71 of	
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration:	Resolution No. 71 of ed 28.06.2010)	Chief State
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration:	Resolution No. 71 of ed 28.06.2010) 4.0	mg potassium hydroxide /g
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration:	Resolution No. 71 of ed 28.06.2010)	mg potassium hydroxide /g the same for
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration: acid value	Resolution No. 71 of ed 28.06.2010) 4.0 0.6	mg potassium hydroxide /g the same for refined oils
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration:	Resolution No. 71 of ed 28.06.2010) 4.0	mg potassium hydroxide /g the same for
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration: acid value	Resolution No. 71 of ed 28.06.2010) 4.0 0.6	mg potassium hydroxide /g the same for refined oils
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value	Resolution No. 71 of ed 28.06.2010) 4.0 0.6	mg potassium hydroxide /g the same for refined oils mmol of active
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements:	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0	mg potassium hydroxide /g the same for refined oils mmol of active
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2	mg potassium hydroxide /g the same for refined oils mmol of active
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins:	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05	Thief State mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins:	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03	Thief State mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>:</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2	Thief State mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2	Thief State mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>:</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh exane</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils refined,
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh exane (alpha-, beta-,</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils refined,
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers)</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2 0.2 0.05	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils refined,
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers) DDT and its</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils refined,
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers)</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2 0.2 0.05	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils refined,
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers) DDT and its</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2 0.2 0.05	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils refined,
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers) DDT and its</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2 0.2 0.2	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils refined, deodorized refined,
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers) DDT and its metabolites</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2 0.2 0.2	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils refined, deodorized
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers) DDT and its metabolites Radionuclides:</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2 0.2 0.1	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils refined, deodorized
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers) DDT and its metabolites</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2 0.2 0.2	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils refined, deodorized refined,
Resolution No. 15.04.2003, No. Sanitary Inspec 1.7.2. Vegetable oil	<pre>18, approved by tor of the RF dat Indications of oxidative deterioration: acid value peroxide value Toxic elements: lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers) DDT and its metabolites Radionuclides:</pre>	Resolution No. 71 of ed 28.06.2010) 4.0 0.6 10.0 0.1 0.2 0.1 0.05 0.03 0.005 0.2 0.2 0.1	mg potassium hydroxide /g the same for refined oils mmol of active oxygen / kg peanut for unrefined oils refined, deodorized

1.7. Oily Raw Materials and Fat Products

1						<u> </u>	
(as amended by)	Amendments	and Ad	 ditions No	10 -		fat)	hu
Resolution No.							-
16.07.2008)		I Deale	banreary	Inspece	01 0	L CI.	ie ili datea
1.7.3.	Indicatio	ns of					
Products of	oxidative						
processing of	deteriora	tion:					
vegetable oils							
and animal							
fats, including	peroxide	value	10		1	mmol	active
fish fat,					(oxyg	en / kg
(margarine,	Toxic ele	ments:	0.1				
cooking fats,	lead		0.1			m - 110	nnaide
confectionery fats,	arsenic		0.3		1	llia yo	nnaise
mayonnaise,	cadmium		0.05				
phosphatide	mercury		0.05				
concentrates)	nickel		0.7			for	margarines,
							ing and
						conf	ectionery
						fats	
	Mycotoxin	s:		accordi	ng		
	aflatoxin		to Clause	1.7.2			
	Pesticide						
	radionucl						
	Polychlor		3.0				products,
	biphenyls						aining fish
	Dioxins <	***\•	1.		-	fats	
	DIOXINS <		according 1.7.2 - b			•	terms of
			vegetable			fat)	
			according		190		
			1.7.4 - b		150		
			animal fa				
			according		ıse		
			1.3.6 - b	ased on			
			fish fat				
(as amended by a							
Resolution No.	43 of Chie	f State	Sanitary	Inspect	or o	f th	ne RF dated
16.07.2008)							
			cal indic		1		
Index, group of			products				Notes
products		-	which	-	CFU, not	-	
	CFU/g, not		icator is owed	more	more		
	more		Pathogeni		thar		
	than		c,	ciidii	ciiai		
			c, including				
			salmonell				
		∝ (colifo					
		rms)					
1	2	3	4	5	6		7
1.7.3.1.	_	0.1	25	5 x 1E2	50		
Mayonnaise - in							
consumer							
containers		0.05			F 6		
- for industria	1	0.01	25	1 x 1E3	50		
processing		0 0 0 1	2.5	1 1-0	1	1	
1.7.3.2.		0.001	25	1 x 1E3	⊥X	1E2	
Cooking and							
confectionery fats							
1.7.3.3.		0.01	25	5 x 1E2	50		
Table, sandwich		5 · 0 ±			00		
	1	1		1			1

margarines						
1.7.3.4.	1 x 1E4	0.01	25	50	50	
Vegetable oil-						
based creams						

Index, group of	Indicators	Permissible levels,	Notes
products		mg/kg, not more	
-		5 5.	
1	2	3	4
1.7.4. Beef,	Toxic elements:		
pork, mutton			
and other raw	lead	0.1	
tallow of	arsenic	0.1	
slaughter	cadmium	0.03	
cattle	mercury	0.03	
(chilled,			
frozen)	Antibiotics <*>:		
Chilled,	laevomycetin	0.01	Expiring on
frozen, salted,	(chloramphenicol		01.01.2012.
smoked pork fat)		
		0.0003	Shall become
			effective since
			01.01.2012.
		0.01	
	tetracycline	0.01	
	group		
	bacitracin	0.02	
	Daciciacin	0.02	
_		, approved by Resolut f the RF dated 01.06 0.002 0.004	
	sum of N- Nitrosodimethyla mine and N- Nitrosodiethylam ine	0.002 0.004	
	Benz(a)pyrene	0.001	smoked pork fat
	Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers)	0.2	
	DDT and its metabolites	1.0	
	Dioxins <***>:	0,000003 - beef fat,	(in terms of fat)
		0,000001 - pork fat,	
		0,000002 - poultry fat,	
		0,000002 - animal fats mixed together	
Resolution No. 4 16.07.2008, No.	13 of Chief State	ditions No. 10, appro Sanitary Inspector of Resolution No. 71 of ed 28.06.2010)	of the RF dated

	Micro	obiologi	cal ind	icators:	
Index, group of products	, CFU/g, not more	which t not all Colifor m bacteri a (colifo	he indic owed Sulphit e- reducin	cs (g), in cator is Pathogeni c, including salmonell a	
1.7.4.1. Pork fat, chilled, frozen, unsalted	5 x 1E4	0.001			L. monocytogenes in 25 g are not allowed
1.7.4.2. Pork fat and pork brisket products, salted, smoked, smoked - roasted	5 x 1E3	1.0	0.1	25	the same for salted and smoked products

Index, group o products	f Indicators	Permissible levels, mg/kg, not more	Notes
1	2	3	4
1.7.5. Rendere animal fats	d Indications of oxidative deterioration:		
	acid value	4.0	Mg potassium hydroxide/g
	peroxide value	10.0	mmol active oxygen / kg
	Toxic elements:		
	lead arsenic cadmium mercury copper	0.1 0.1 0.03 0.03 0.4	for storage delivered
	iron	1.5	the same
	Antibiotics, nitrosamines, pesticides	according to Clause 1.7.4	
	Dioxins <***>:	according to Clause 1.7.4	(in terms of fat)

(as amended by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008, No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)

Indications of oxidative deterioration:		
fat phase acidity	2.5	0 Kettstofer
Toxic elements:		
lead	0.1	chocolate butter
	0.3	
arsenic cadmium	0.1 0.03	
	0.2	chocolate butter
mercury	0.03	
copper	0.4	for storage delivered
iron	1.5	for storage delivered
	oxidative deterioration: fat phase acidity Toxic elements: lead arsenic cadmium mercury copper	oxidative deterioration: fat phase 2.5 acidity Toxic elements: lead 0.1 0.3 arsenic 0.1 cadmium 0.03 0.2 mercury 0.03 copper 0.4

Antibiotics <*>:	Mycotoxins: aflatoxin M1	0.0005	
	Antibiotics <*>:		

laevomycetin (chloramphenicol)	0.01	Expiring on 01.01.2012.
	0.0003	Shall become effective since 01.01.2012.
tetracycline group	0.01	
penicillins	0.004	
streptomycin	0.2	

(as amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010, Amendment No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011)

	Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers)	1.25	in terms of fat
	DDT and its metabolites	1.0	the same
	Radionuclides:		
	caesium-137 strontium-90	200 60	Bq/kg the same
	Dioxins <***>:	0.00003	(in terms of fat)
· _		ditions No. 10, appro Sanitary Inspector o	-

16.07.2008)

	Micro	obiolog	gical	indica	tors:		
Index, group of products	not more than	(g) in indica allowe Colifo	whick tor is d S. aureu s	n the s not	CFU/g not more than	Yeast, CFU/g not more than	Notes
1	2	3	4	5	6	7	8
1.7.6.1. Vologda butter and branded sorts butter	1 x 1E4	0.1	1.0	25	5 0 in		L. monocytogen es in 25 g are not allowed
1.7.6.2. Sweet and acid cream cow butter, including salted, with the mass fraction of fat 60% and more	1 x 1E5 <*>	0.01	0.1	25	10 0 in		The same<*> in acid cream cow butter norms are not established
1.7.6.3. Chocolate butter	1 x 1E5	0.01	0.1	25	100		L. monocytogen es in 25 g are not allowed
1.7.6.4. Cow milk butter (for sandwiches) with the mass fraction of fat from 30 to 59%	2 x 1E5	0.001	0.01	25	100		L. monocytogen es in 25 g are not allowed
(as amended by Ame Resolution No. 41 15.04.2003)							
	1 x 1E3	1.0	-	25	200	-	

Index, group of	Indicators	Permissible levels,	Notes
products		mg/kg, not more	
1	2	3	4
	Indications of		
materials based			
on combination	deterioration:		
of animal fats,	fat phase	2.5	0 Kettstofer
including milk	acidity		mmol of active
	peroxide value	10	oxygen / kg ir
vegetable fats	-		a fat phase
-)	Toxic elements:		<u> </u>
	lead	0.1	with a
			chocolate
		0.3	component
	arsenic	0.1	componence
	cadmium	0.03	
		0.2	with a
		· - 2	chocolate
			component
	mercury	0.03	
	copper	0.4	for storage
			delivered
	iron	1.5	the same
	nickel	0.7	combined oils
			with
			hydrogenated
			fat
	Mycotoxins:	0.0005	
	aflatoxin M1		
	Antibiotics <*>:	•	
	laevomycetin	0.01	Expiring on
	(chloramphenicol		01.01.2012.
)		
	/	0.0003	Shall become
			effective sind
		0.01	01.01.2012.
	tetracycline	0.01	
	group		
	bacitracin	0.02	
		, approved by Resolu	
Chief State Sani		f the RF dated 01.06	.2011)
	Pesticides <*>:	1.25	in terms of fa
	hexachlorocycloh		
	exane		
	(alpha-, beta-,		
	(alpha-, beta-, gamma-isomers)	1.0	the same
	(alpha-, beta-, gamma-isomers) DDT and its	1.0	the same
	(alpha-, beta-, gamma-isomers) DDT and its metabolites	1.0	the same
	(alpha-, beta-, gamma-isomers) DDT and its metabolites Radionuclides:		
	(alpha-, beta-, gamma-isomers) DDT and its metabolites	1.0 100 80	the same Bq/kg the same

D	ioxins <***>:	0.000002	Compound animal
			fats (in terms
			of fat)
(as amended by Am	endments and Add	ditions No. 2, approv	ved by
Resolution No. 41	, of Chief State	e Sanitary Inspector	of the RF dated
15.04.2003, No. 1	0, approved by H	Resolution No. 43 of	Chief State
Sanitary Inspecto	r of the RF date	ed 16.07.2008)	

		Micr	obiol	ogical	indicat	ors:	
Index, group of products	not more than	Mass o (g) in indica allowe Colifo	f prod which tor is d S. aureu s	ducts n the s not	Moulds, CFU/g not more than		Notes
1	2	3	4	5	6	7	8
1.7.7.1. Fatty products based on combination of animal fats, including milk fat, and vegetable fats with the mass fraction of fat 60% and more	1 x 1E5	0.01	0.1	25	100	100	L. monocytogen es in 25 g are not allowed
1.7.7.2. Fatty products based on combination of animal fats, including milk fat, and vegetable fats with the mass fraction of fat 30-59%		0.01	0.01	25	200 in total		the same

Index, group of	Indicators	Permissible levels,	Notes
products		mg/kg, not more	
1	2	3	4
1.7.8. Edible tallow of fish and marine mammals; fat of marine mammals and fish fat as dietary	Indications of oxidative deterioration: acid value peroxide value	4.0 10.0	mg potassium hydroxide/g mmol
(curative and			of active oxygen/kg
prophylactic) food products	Toxic elements:		1.31.1.2
rood produces	ionic cionenco.		
	lead	1.0	
	arsenic	1.0	
	cadmium mercury	0.2	
	-	0.1	
	Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers)	0.1	
	DDT and its metabolites	0.2	
	Polychlorinated biphenyls	3.0	
	Radionuclides: caesium-137	60	Bq/kg
	Strontium-90	80	the same
	Dioxins <***>:	according to Clause 1.3.6	(in terms of fat)
Resolution No. 4 15.04.2003, No.	11 of Chief State	ditions No. 2, approv Sanitary Inspector (Resolution No. 43 of ed 16.07.2008)	of the RF dated

<*> It is also required to control residual quantities of the pesticides used for production of food raw material (see Clauses 3.12, 3.13).

<*> It is also required to control residual quantities of the antibiotics used for production of food raw material (see Clause 3.15).

(the note was amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

Note:

<***> the maximum permissible level shall not be applied to products containing less than 1% of fat;

- hereinafter dioxins shall be understood to represent the sum of polychlorinated dibenzo-p-dioxin (PCDD) and polychlorinated dibenzofurans (PCDF), expressed as a sum of toxic equivalency factors (TEF) according to the WHO scale (WHO-TEFs):

TEF Value
01
01

(the note was introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

<*> 1 pg TEF means that this is a mixture of PCDD and PCDF which corresponds to 1 pg of 2,3,7,8-Tetrachlorodibenzodioxin (TCDD).

1.8.1. Requirements for bottled waters are e accordance with SanPiN "Drinking Water (carbonated and Requirements for Quality of Packaged noncarbonated) (Control" (registered with the Ministr 26.04.2002 Russia, registration number 26.04.2002 Russia, registration number 26.04.2003) (Sub-clause 1.8.1 as amended by Amendments and Additi approved by Resolution No. 41 of Chief State Sanitary the RF dated 15.04.2003) 1.8.2. Mineral natural table, curative drinking waters (state **) Radionuclides (**> Radionuclides (**> Specific total alpha activity 0.2 Microbiological indicators: QMAFAnM, 100 Coliform bacteria 100	4 established in er. Hygienic Water. Quality cy of Justice of er 3415) ions No. 2,
1.8.1. Requirements for bottled waters are end accordance with SanPiN "Drinking Water (carbonated and nequirements for Quality of Packaged Control" (registered with the Ministr 26.04.2002 Russia, registration number 26.04.2002 Russia, registration number 26.04.2002 Russia, registration number 26.04.2003) (Sub-clause 1.8.1 as amended by Amendments and Addition approved by Resolution No. 41 of Chief State Sanitary the RF dated 15.04.2003) 1.8.2. Mineral natural table, curative drinking waters <**> Mineral cadmium drinking waters <**> Addionuclides <**> Specific total alpha activity 0.2 Microbiological indicators: QMAFAnM, 100 Coliform bacteria 100	established in er. Hygienic Water. Quality cy of Justice of er 3415) ions No. 2,
Bottled water accordance with SanPiN "Drinking Water (carbonated and honcarbonated) Requirements for Quality of Packaged (x*> Control" (registered with the Ministry 26.04.2002 Russia, registration number (Sub-clause 1.8.1 as amended by Amendments and Addity approved by Resolution No. 41 of Chief State Sanitary the RF dated 15.04.2003) 1.8.2. Mineral natural table, curative-table, curative-table, curative Toxic elements: eadd 0.1 cadmium 0.01 mercury 0.0005 Radionuclides <**> Specific total alpha activity 0.2 Microbiological indicators: 0 QMAFAnM, 100 Coliform bacteria 100	er. Hygienic Water. Quality cy of Justice o er 3415) ions No. 2,
approved by Resolution No. 41 of Chief State Sanitary the RF dated 15.04.2003) 1.8.2. Mineral natural table, curative-table, curative drinking waters (**> Radionuclides (**> Specific total alpha activity 0.2 Microbiological indicators: QMAFAnM, 100 Coliform bacteria	
hatural table, curative-table, drinking waters (**> Radionuclides (**> Specific total alpha activity 0.2 Specific total beta activity Microbiological indicators: QMAFAnM, 100 Coliform bacteria	
Radionuclides <**> Specific total alpha activity 0.2 Specific total 1.0 beta activity 1.0 Microbiological indicators: QMAFAnM, 100 Coliform 100 bacteria	
beta activity Microbiological indicators: QMAFAnM, 100 Coliform 100 bacteria	Bq/kg
indicators: QMAFAnM, 100 Coliform 100 bacteria	Bq/kg
Coliform 100 bacteria	
Coliform 100 bacteria	CFU/cm3, not
	more than volume (cm3), in which the indicator is not allowed; a three-fold research per 100 cm3 shall
Coliform 100 bacteria (coliforms) fecal	be conducted the same
Arruginosa (as amended by Amendment No. 16, approved by Resolution	
of Chief State Sanitary Inspector of the RF dated 27. 1.8.2.1. Microbiological indicators:	.01.2010)

Artificially	Coliform	in 100 g are not	
hurner arraea		allowed	
drinking waters	(coliforms)		
	pathogenic	in 100 g are not	
	micro-organisms,	allowed	
	including		
	salmonella		

	Pseudomonas aeruginosa	in 100 g are not allowed	
	yeast, CFU/cm3	not more than 10	
	mould, CFU/cm3	not more than 10	
	olution No. 71 of	y Amendments and Add Chief State Sanitar	
1.8.3. Juices, beverages, vegetable, fruit, berry and and grain breserved concentrates	See Section "Fru 1.6.5	it and Vegetable Pro	ducts", Clause
l.8.4. Milk- containing drinks	See Section "Mil and 1.2.4	k and Milk Products"	, Clause 1.2.1
L.8.5.	lead	0.3	
Alcoholic free	arsenic	0.1	
Deverages, including juice	cadmium	0.03	
containing and	mercury	0.005	
_	Mycotoxins:		
nineralized drinks	Patuline	0.05	juice containing: apple, tomato, sea-buckthorn
	Caffeine	150	for caffeine containing drinks
		400	for caffeine containing specialized drinks
	Quinine	85	for quinine containing drinks
	General mineralization	2.0	g/l, not more than - artificially mineralized drinks
		ditions No. 18, appr Sanitary Inspector	

			cal indic		1
Index, group of products	, CFU/cm3 , not more than	(cm3, g which t indicat allowed Colifor m bacteri) in he or is not Pathogeni c, including salmonell		Notes
1	2	3	4	5	6
1.8.5.1. Beverages, alcoholic free unpasteurized and without preservative with keeping time less than 30 days	30	333	25	100	
1.8.5.2. Beverages, alcoholic free unpasteurized and without preservative with keeping time 30 days and more:					
- based on sugars		100	100	15 <*>	<*> CFU/100 cm3, not
- based on sweeteners	100 <*>	100	100		<pre>more than <*> number of mesophilic aerobic microorgani sms, CFU/100 cm3, no more</pre>
- juice containing:		100	100	40 <*>	than <*> volume (cm3), in which the indicator is not allowed
(as amended by Ame Resolution No. 41 15.04.2003)					

1.8.5.3. Concentrates (liquid, paste- like), mixtures (powder-like, tableted, granulated and other) for alcoholic free	5 x 1E4 <*>	1.0	25	10 <**>	<pre><*> except concentrate s, containing sodium bicarbonate <**> volume (cm3), mass (g), in which the indicator is</pre>
drinks in a consumer packaging					not allowed
1.8.5.4. Mixtures of dry vegetable raw materials for making of hot alcoholic free drinks	5 x 1E5	1.0	25	100 - yeast 100 - moulds	
1.8.5.5. Non-pasteurized syrups	-	1.0	25	50 <*>	<*> CFU/10 cm3, not more than
1.8.5.6. Pasteurized syrups, hot filling	-	1.0	25	40 <*>	<*> volume (cm3), in which the indicator is not allowed
1.8.5.7. Aseptically packaged concentrates	sterili accorda	ty for o nce with tion "F:	canned foo h Annex 8	ts for industri d of group "D" to these Sanita egetable Produc	in Ary Rules

Index, group of products		Permissible levels, mg/kg, not more than	Note
1	2	3	4
1.8.6. Fermented beverages	Toxic elements: lead arsenic cadmium mercury	0.3 0.1 0.03 0.005	
· _		ditions No. 18, appro Sanitary Inspector	-

(as amended		-		icators:	2, approved by
		ef State			or of the RF dated
Index, group of products	, CFU/cm3 , not more than	Mass of g) in w indicat Colifor m bacteri a	product hich the or is no Pathoge	Yeast and moulds	
1	2	rms) 3	11a 4	5	6
1.8.6.1.					
Unfiltered kvases					
- in kegs - draught	-	3.0 1.0	25 25	-	
Kvases filtered unpasteurized:					
- in polimer bottles (PET)	-	10.0	25	-	
- in kegs - draught	_	3.0 1.0	25 25	_ _	
Kvasses filtered pasteurized	10	10.0	25	100	
1.8.6.2. Fermented beverages low-alcohol unfiltered: - in kegs	_	3.0	25	_	
- draught 1.8.6.3.	-	1.0	25	-	
Low-alcohol filtered unpasteurized fermented beverages: - in polymer bottles (PET and others)		10.0	25		
- in kegs - draught	_	3.0 1.0	25 25	-	

1.8.6.4.	10	10	25	100	
Low-alcohol					
filtered					
pasteurized					
fermented					
beverages					

		1	1
Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more	
1	2	3	4
1.8.7.	Toxic elements:		
	TOXIC elements:		
Beer, vine,			
vodka,	lead	0.3	
low-alcohol and	arsenic	0.2	
other alcoholic	andmium	0.03	
beverages			
-	mercury	0.005	
	Methanol	0.05	%, not more
			than (volume
			fraction in
			terms of
			anhydrous
			alcohol) -
			vodkas, food
			ethyl alcohols
			g/dm3, not more
			than
		1.0	(cognac, cognac
			alcohols)
	Quinine	300	
	Quinine	300	cinchona
			containing
			alcohol drinks
	Nitrosamines:	0.003	beer
	sum of N-		
	Nitrosodimethyla		
	mine and N-		
	Nitrosodiethylam		
	-		
	ine	litica No. 10	
		ditions No. 18, appro	
	/1 of Chief State	Sanitary Inspector of	of the RF dated
28.06.2010)			

Microbiological indicators: (as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)					
Index, group of products	CFU/cm3 , not more	The vol product which t not all Colifor m bacteri a (colifo	ume or n s (cm3, he indic owed	g) in cator is Yeast and moulds	Notes
1.8.7.1. Draught beer	-	1.0	25	_	
1.8.7.2. Unpasteurized beer:					
- in kegs - in bottles		3.0 10.0	25 25	-	
Pasteurized and sterilized beer	500	10	25	40	

<*> Bottled water shall be manufactured from water complying with the hygienic safety requirements for centralized drinking water supply systems.

<**> Analysis of radionuclides content shall be carried out in case of exceeding the total activity parameters in accordance with Radiation Safety Standards-99/2009.

(the note was amended by Amendment No. 16, approved by Resolution No. 6 of Chief State Sanitary Inspector of the RF dated 27.01.2010)

		1.9. Other Products	
Index, group of products	Indicators	Permissible levels, mg/kg, not more	Note
1	2	than 3	4
1 0 1			
1.9.1. Isolates,	Toxic elements:		
concentrates, hydrolysates and textured	lead arsenic cadmium	1.0 1.0 0.2	
plant proteins; food oil meal	mercury	0.03	
and flour with different fat content from	Mycotoxins: aflatoxin B1	0.005	
legume seeds,	dezoxynivalenol	0.7	from wheat
oilseeds and seeds of non-		1.0	from barley
conventional crops	zearalenone	1.0	from wheat, barley, maize
	Pesticides <*>:		
	hexachlorocycloh exane (alpha-, beta-, gamma-isomers)	0.5	from cereals, maize, legumes (except for soybean), sunflower and
		0.4	peanut from flax, mustard, rapeseed
		0.2	from soybean,
	DDT and its metabolites	0.15	cotton plant form sunflower, peanut
		0.1	from flax, mustard, rapeseed
		0.05	from legumes, cotton plant, maize
		0.02	from cereals
	Oligosaccharides	2.0	%, not more for soy, protein, baby food and dietary products
	Trypsin inhibitor	0.5	the same
	Melamine	not allowed	< 1 mg/kg

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003, Amendments No. 11, approved by Resolution No. 56 of Chief State Sanitary Inspector of the RF dated 01.10.2008, Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)

Microbiological indicators:

		2				
Index, group of products	, CFU/g, not more	the ind Colifor	icator S. aureus	cts (g) in is not al Pathogeni c, including salmonell a	lowed Sulphit e- reducin	
1	2	3	4	5	6	7
1.9.1.1. Isolates, plant protein concentrates, soybean flour	5.0 x 1E4 <*>	0.1	0.1	25	0.1	yeast and moulds - 100 CFU/g, not more than; <*> 5 x 1E3 - for baby food
1.9.1.2. Protein enzymatic hydrolysate from soybean raw material	1 x 1E3	1.0	_	25	_	yeast and moulds in 1 g are not allowed
1.9.1.3. Protein sunflower food concentrate	5 x 1E4	0.1	-	25	_	moulds - 10 CFU/g, not more than
1.9.1.4. Soybean protein concentrate, textured soy flour	2.5 x 1E4	0.1	0.1	25	0.1	yeast and moulds - 100 CFU/g, not more than
(introduced by Ame Resolution No. 41 15.04.2003)						

Index, group of	Indicators	Permissible levels,	Note	
products	indicacors	mg/kg, not more	NOCC	
produces		than		
1.9.2.	Toxic elements:	0.3		
Milk whey	lead	· · ·		
protein	icau			
concentrates,				
casein, caseinates, milk protein	arsenic	1.0		
	cadmium	0.2		
	mercury	0.03		
	Mycotoxins:	0.0005		
	aflatoxin M1			
	Pesticides <*>:	1.25	in terms of fat	
	hexachlorocycloh			
	exane			
	(alpha-, beta-,			
	gamma-isomers)			
	DDT and its	1.0	the same	
	metabolites			
	Melamine	not allowed	< 1 mg/kg	
	Antibiotics <*>:			
	leeuenusetin	0.01	Funining on	
	laevomycetin (chloramphenicol	0.01	Expiring on 01.01.2012.	
)			
		0.0003	Shall become	
			effective since	
			01.01.2012.	
	tetracycline	0.01		
	group	0.01		
	penicillins	0.004		
	streptomycin	0.2		
(as amended by A	Amendments No.11,	approved by Resolut:	ion No. 56 of	
	Chief State Sanitary Inspector of the RF dated 01.10.2008, No. 18,			
approved by Resolution No. 71 of Chief State Sanitary Inspector of				

Chief State Sanitary Inspector of the RF dated 01.10.2008, No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010, No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010, Amendment No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011)
Microbiological indicators:					
Index, group of products		nMMass of products Note (g) in which the			
		indicat allowed	or is not		
	than	m	Pathogeni c,		
			including salmonell		
	_	rms)		-	
1	2	3	4	5	
1.9.2.1. Food caseinates	5 x 1E4	0.1		sulfite-reducing clostridia in 0.01 g are not allowed	
1.9.2.3. Whey protein concentrate	5 x 1E4	1.0		S. aureus in 0.1 g are not allowed	
1.9.2.4. Albumin-casein concentrate	2.5 x 1E3	1.0		S. aureus in 1.0 g are not allowed	

Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more	
a		than	
1.9.3.	Toxic elements:		
Blood protein			
concentrates	lead	1.0	
(dry blood	arsenic	1.0	
plasma			
concentrate,	cadmium	0.1	
whey protein,	mercury	0.03	
food albumin)	Antibiotics <*>:		
	laevomycetin	0.01	Expiring on
	(chloramphenicol		01.01.2012.
)		
		0.0003	Shall become
			effective since
			01.01.2012.
	tetracycline	0.01	
	group		
	bacitracin	0.02	
		1	
		ditions No. 18, appro	

Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010, No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010, Amendment No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011)

Microbiological indicators:

Index, group of products	Indicators	Permissible levels, mg/kg, not more than	Note
1	2	3	4
1.9.4. Germs of seeds	Toxic elements:		
of cereals,	lead	1.0	
grain legumes and other	arsenic	0.2	
crops, flakes	cadmium	0.1	
and oil meal	mercury	0.03	
from them, bran	Mycotoxins: aflatoxin B1	0.005	
	dezoxynivalenol	0.7	from wheat
		1.0	from barley
	zearalenone	1.0	from wheat, barley, maize
	Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers)	0.5	
	DDT and its metabolites	0.02	
	Oligosaccharides	according to Clause 1.9.1	
	Trypsin inhibitor	the same	
	Harmful contaminants:		
	Pest contamination and infestation of grain (insects, mites)	not allowed	
Resolution No. 4 15.04.2003, No.	41 of Chief State	ditions No. 2, approv Sanitary Inspector Resolution No. 71 of ed 28.06.2010)	of the RF dated

Microbiological indicators:					
Index, group of products	, CFU/g, not more than	(g) in indicat <u>allowed</u> Colifor m bacteri	or is not Pathogeni C, including salmonell	CFU in 1 g	Note
1.9.4.1. Food cereal bran	5 x 1E4	0.1	25	100	heat-treated
1.9.4.2. Bran dietary fibers; oil meal from vegetables,fruit residues	5 x 1E4	0.1	25	50	

terms of dry
-
-
-
-
-
-
-
SLAUCE
oounoo
om wheat
om barley
1
om wheat,
ley,
ze
terms of dry
stance

<pre>- concentrated, condensed and powder beverages, tofu and okara powder</pre>	lead	0.2 0.1 0.2 0.03 0.005	in terms of dry substance
	aflatoxin Bl		
	dezoxynivalenol	0.7	from wheat
		1.0	from barley
	zearalenone	1.0	from wheat, barley, maize
	Pesticides <*>: hexachlorocycloh	0.1	in terms of dry substance
		0.01	
	metabolites. mercury organic	not allowed	
(as amended by A Resolution No. 4 15.04.2003, No.	11 of Chief State	ditions No. 2, approv Sanitary Inspector of Resolution No. 71 of ed 28.06.2010)	of the RF dated

	Micro	obiologi	.cal in	dicators:		
Index, group of products	, CFU/g, not more	the ind Colifor	icator S. aureus	cts (g) in is not al Pathogeni c, including	lowed B. cereus	Note
		a (colifo rms)		salmonell a		
1	2	3	4	5	6	7
1.9.5.1. Beverages from soybean						
- soybean beverages of aseptic bottling	sterili	ty for a	cans of	ments for group "A tary Rule:	" in acc	cial cordance with
- soybean beverages, cocktails, chilled and frozen desserts	5 x 1E4	0.1 <*>	1.0	25	0.1	<*> 1.0 - with the shelf life of more than 72 hours; moulds - 10, CFU/g, not more than
- fermented soybean beverages		0.1 <*>	1.0	25	0.1	<*> the same; moulds - 10, yeast - 10, CFU/g, not more than
(as amended by Ame Resolution No. 41 15.04.2003) 1.9.5.2.						
Protein soybean products (tofu)	5 x 1E4 <**>	0.1 <*>	1.0	25	0.1	<pre><*> the same; <**> with the use of starter cultures - norms are not established; moulds - 10 and yeast - 50, CFU/g, not more than</pre>
- okara	5 x 1E4	0.01	1.0	25	0.1	moulds - 10 CFU/g, not more than

Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more	
-		than	
1	2	3	4
1.9.6.	Toxic elements:		
Thickeners, stabilizers,			
gelling agents (pectin, agar, alginate, carrageenan,	lead	2.0	carrageenan, gum arabic, gums: carob gum, guar gum,
gums, etc.)			xanthan gum, gellan gum, konjak flour
		5.0	agar, alginates
		10.0	pectin, gums: gum ghatti, tara gum,
	arsenic	3.0	karaya gum pectin, agar, alginates, carrageenan, gums: gum ghatti, tara gum,
	cadmium mercury copper zinc	1.0 1.0 50 25	karaya gum, gellan gum, konjak flour carrageenan, the same pectin pectin
	Pentachloropheno 1:	are not allowed (less than 0.001 mg/kg)	guar gum, carob gum, tragacanth gum, karaya gum, tara gum, gum ghatti
Resolution No. 4 15.04.2003, No. Sanitary Inspect	11 of Chief State 10, approved by B cor of the RF date	ditions No. 2, appro Sanitary Inspector Resolution No. 43 of ed 16.07.2008, No. 1 Sanitary Inspector	of the RF dated Chief State 8, approved by

	Micro	obiologi	cal indic	ators:	
Index, group of products	QMAFAnM , CFU/g, not more than	(g) in indicat allowed Colifor m bacteri	or is not Pathogeni C, including salmonell	CFU in 1 g	Note
1	2	3	4	5	6
1.9.6.1. Pectin: - for baby food and dietary products	5 x 1E2	1.0	25	50	yeast - 50 CFU/g, not more than;
- for mass-consumption products	5 x 1E4	0.1	25	100	yeast - 100 CFU/g, not more than
1.9.6.2. Edible agar, agaroid,furcellar ine, food sodium alginate	5 x 1E4	1.0	25	100	
1.9.6.3. Carrageenan	5 x 1E3	1.0	25	100	
1.9.6.4. Thickeners and stabilizers based on gums (guar and xanthan gums, etc.)	5 x 1E3	1.0	25	500 <*>	total amount of yeast and mould

Index, group of products		Permissible levels, mg/kg, not more than	Note
1	2	3	4
1.9.7. Gelatin,	Toxic elements:		
connective tissue protein- concentrates	arsenic cadmium	2.0 1.0 0.1 0.05	
	Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers)	0.1	
	DDT and its metabolites	0.1	
		ditions No. 18, appro Sanitary Inspector (

Microbiological indicators:					
Index, group of products	, CFU/g, not more than	(g) in v indicate <u>allowed</u> Colifor m bacteri	Pathogeni c, including salmonell		
1.9.7.1. Edible gelatin: - for baby food and dietary products	1 x 1E4	1.0	25		
- for mass-consumption products	1 x 1E5	0.01	25		

Index, group of products	Indicators	Permissible levels, mg/kg, not more than	Note
1	2	3	4
1.9.8. Starches, treacle and	Toxic elements:		
their derived products	lead arsenic cadmium	0.5 0.5 0.1	
	mercury	0.02	
	hexachlorocycloh	0.5	maize
	exane (alpha-, beta-, gamma-isomers)	0.1	potato
		0.05 0.1	maize potato
=		ditions No. 18, appro Sanitary Inspector (-

Microbiological indicators:									
Index, group of products	, CFU/g, not more	(g) in indicat <u>allowed</u> Colifor m bacteri	Pathogeni c, including salmonell	CFU/g not more than	CFU/g,	Note			
1	2	3	4	5	6	7			
1.9.8.1. Dry starch (potato, maize, pea)	1 x 1E5	0.01	25	500	500				
1.9.8.2. Amylopectin swelling starch, extrusion starch	1 x 1E4	0.1	25	250	250				
1.9.8.3. Low-sugar treacle	1 x 1E4	1.0	25	50	100				
1.9.8.4. Maltitol, maltodextrins	5 x 1E4	1.0	25	50	100				

1.9.8.5. Lactulose concentrate	5 x 1E3	1.0	50	50		S. aureus in 1.0 g are not allowed
1.9.8.6. Glucose-fructose syrup	1 x 1E5	1.0	25	50	100	
1.9.8.7. Glucose granules with juice additives	1 x 1E4	1.0	25	50	100	

Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more	
		than	
1.9.9. Food yeast, protophyte biomass,	Toxic elements: lead	1.0	
starter bacteria	arsenic cadmium mercury	0.2 0.2 0.03	
		ditions No. 18, appro Sanitary Inspector o	-

Micro	obiologi	cal in	dicators:	
Index, group of products	Mass of products (g), in which the indicator is not allowed			Note
	Colifor m bacteri	aureus	including	
	a (colifo rms)		salmonell a	
1	2	3	4	5
1.9.9.1. Bakery yeast powder	0.01	0.1	25	
1.9.9.2. Compressed bakery yeast	0.001	0.1	25	moulds - 100 CFU/g, not more than
1.9.9.3. Lyophilized starter cultures (for production of fermented meat)	1.0	1.0	10	<pre>sulfite-reducing clostridia in 1 g are not allowed; quantity of microorganisms of technological microflora - not less than 1E9 - for cultures, 1E10 CFU/ cm3 - for concentrates; yeast - 10 and moulds - 10 CFU/g, not more than</pre>
1.9.9.5. Protophyte biomass, yeast biomass for industrial processing	1.0	1.0	25	QMAFAnM - 1 x 1E4 CFU/g, not more than; yeast - 50 and moulds - 50 CFU/g, not more than; presence of living cells of producers in 1 g is not allowed

Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more	
		than	
1	2	3	4
1.9.10. Dry	Toxic elements:		
food broth			
	lead	1.0	
	arsenic	1.0	
	cadmium	0.2	
	mercury	0.1	
	Pesticides:	0.1	in terms
	hexachlorocycloh		of original
	exane		product
	(alpha-, beta-,		1
	gamma-isomers)		
	DDT and its	0.1	
	metabolites		
	Microbiological	according to Clause	
		1.9.14.7	
		ditions No. 2, approv	-
		Sanitary Inspector	
		Resolution No. 71 of	Chief State
Sanitary Inspect	tor of the RF date	ed 28.06.2010)	
1.9.11.	Toxic elements:		
Xylitol,			
sorbitol,	lead	1.0	
mannitol, etc.	arsenic	2 0	

	Ieau	1.0	
mannitol, etc.	arsenic	2.0	
sugar alcohols	cadmium	0.05	
	mercury	0.01	
	nickel	2.0	
(as amended by	Amendments and Ado	ditions No. 18, appro	oved by
Resolution No.	71 of Chief State	Sanitary Inspector of	of the RF dated
28.06.2010)			

Microbiological indicators:									
Index, group of products	, CFU/g, not	(g) in indicat <u>allowed</u> Colifor m bacteri	or is not Pathogeni c, including salmonell	CFU/g not more than	Note				
1.9.11.1. Xylitol, sorbitol, mannitol, etc. sugar alcohols	1 x 1E4	1.0	25	1 x 1E2					

T. 1. C	Todicate	~	D		Nata
Index, group of	indicator	5		,	Note
products			mg/kg, no	t more	
			than		
1	2		3		4
1.9.12. Cooking	Toxic eler	ments·			
and medicated	IONIC CICI	liciico.			
salt					
Sarc					
	lead		2.0		
	arsenic		1.0		
	cadmium		0.1		
	mercury		0.1 0.01		"Extra",
					medicated
	4 - 44 - 1		0.04		
	iodine		0.04		mg/g,
					iodine-treated;
					when
					establishing
					the permissible
					level - 0.04
	1		1		+/- 0.015
(as amended by A					
Resolution No. 4					
15.04.2003, No.					Chief State
Sanitary Inspect	tor of the	RF date	ed 28.06.2	010)	
1.9.13.	Toxic eler	mente.			
Crystallized	TOVIC ETER				
aminoacids and					
CITCTT INTACUTES;	lead		1.0		
	arsenic		1.0		
	cadmium		0.1		
	mercury		0.03		
(as amended by A	Amendments	and Ad	ditions No	. 18, appro	oved by
Resolution No.					
28.06.2010)			-		
	Micro	obiologi	lcal indic	ators:	
				-	br
Index, group of	QMAFAnM		products		Note
products	7		which the		
	-			more than	
		allowed			
	more	Colifor	Pathogeni		
	than	m	C,		
		bacteri	including		
		a	salmonell		
		(colifo	a		
		rms)			
1.9.13.1.	1 x 1E3	-	25	1 10	
Crystallized	0				
aminoacids and					
			1	1	1
their mixtures;					

Index, group of products	Indicators	Permissible levels, mg/kg, not more than	Note
1.9.14. Food concentrates	Toxic elements <**>	in terms of original product	
	Radionuclides <**>		
	Dioxins <***>:	in terms of original terms of fat)	product (in
		ditions No. 10, appro Sanitary Inspector o	1

	Micro	obiolog	fical in	dicato	ors:		
Index, group of products	, which the indicator is , CFU/g, not allowed					Moulds , CFU/g not	Note
	more than	rm bacter ia (colif	Sulphit e- reducin g clostri dia	aureu s	Pathog enic, includ ing salmon ella	more than	
1	2	3	4	5	6	7	8
1.9.14.1. Powder cooking sauces (of heat dehydration)	1 x 1E4	0.01	1.0	1.0	25	100	
1.9.14.2. Powder seasonings with vegetable additives, spices and herbs (of heat dehydration)	1 x 1E4	0.01	1.0		25	100	B. cereus - 100 CFU/g, not more than
1.9.14.4. Concentrated dinner dishes not requiring cooking (instant soups)	5 x 1E4	0.1	-	0.1	25	100	
1.9.14.5. Starters and main courses of extrusion technology, not requiring cooking	5 x 1E4	1.0	-	1.0	25	100	B. cereus - 100 CFU/g, not more than

<pre>1.9.14.6. Multicomponent dry soups, requiring cooking (vegetable soups with smoked products, meat and chicken soups with pasta, meat and chicken -mash, -vegetable mash)</pre>	5 x	: 1E4	0.01	0.01		25	500		
1.9.14.8. Dry mushroom soups, requiring cooking	5 x	: 1E4	0.001	0.01	_	25	500		
ConsultantPlus: no The numbering of i document.			given	in acco	ordanc	e with	the of	ficial text of	of the
1.9.14.7. Broths - powder concentrates with spices, requiring cooking	5 x	: 1E4	1.0	0.01		25	200		
ConsultantPlus: no The numbering of i			given	in acco	ordanc	e with	the of	ficial text of	of the
document. 1.9.14.9. Dry instant porridge concentrates	1 x	: 1E4	0.01	-	-	25	100	B. cereus - 100 and yeast - CFU/g, not more than	
1.9.14.10. Dry fruit kissels	1 x	: 1E5	0.01	-	-	25	500	yeast - 500 CFU/g, not more than	
1.9.14.11. Dry prophylactic food products - cereal, milk, meat mixtures (of extrusion technology)	5 x	: 1E3	0.1		1.0	25	100	B. cereus - 10 and yeast - 10, CFU/g, not more than	

1	Micro	obiolog	gical :	indica	tors:		
Index, group of products	QMAFAnM , CFU/g,	Notes					
	not more than	Colifo rm bacter ia (colif orms)	coli	S. aureu s	Proteus	Pathog enic, includ ing salmon ella	
1	2	3	4	5	6	7	8
1.9.15. Ready-to-eat culinary products, including products for public catering							
1.9.15.1. Raw vegetable and fruit salads: - without dressing	1 x 1E4	0.1	1.0	1.0			L. monocytoger
- with dressing (mayonnaise, sauces, etc.)	5 x 1E4	0.1	1.0	1.0		25	es in 25 g are not allowed the same; yeast - 500, with preserving agents - 200 CFU/g, not more than; moulds - 50 CFU/g, not more than
<pre>1.9.15.2. Raw vegetable salads with eggs, canned vegetables, fruit, etc.: - without dressing and pickled vegetables</pre>	1 x 1E5	0.01	0.1	0.1	0.1	25	L. monocytogen es in 25 g are not allowed

- with dressing (mayonnaise, sauces, etc.)	1 2	x 1E5	0.01	0.1	0.1	0.1	25	the same; yeast - 500, with preserving agents - 200 CFU/g, not more than; moulds - 50 CFU/g, not more than
1.9.15.3. Salads with pickled, fermented, brined vegetables	-		0.1	0.1	0.1	0.1	25	
<pre>1.9.15.4. Salads and vinaigrette with boiled vegetables and dishes with boiled, fried, stewed vegetables: - without brined vegetables abd</pre>	5 2	x 1E3	0.1		1.0	0.1	25	
dressing - with dressing (mayonnaise, sauces, etc.)	5 2	x 1E4	0.1	0.1	1.0	0.1	25	yeast - 500, with preserving agents - 2 00 CFU/g, not more than; moulds - 50 CFU/g, not more than
1.9.15.5. Salads with meat, poultry, fish, smoked products, etc.:								
- without dressing	1 2	x 1E4	0.1	0.1	0.1	0.1	25	
- with dressing (mayonnaise, sauces, etc.)		x 1E4		0.1	0.1	0.1	25	yeast - 500, with preserving agents - 2 00 CFU/g, not more than; moulds - 50 CFU/g, not more than
1.9.15.6. Jellied fish (aspic)	1 >	x 1E3	1.0	-	1.0	0.1	25	

jellied beef, pork, poultry (aspic)	1	X	1E4	0.1	1.0	0.1	0.1	25	
Meat and liver pate	1	x	1E4	0.1	1.0	0.1	0.1	25	
Boiled beef, poultry, rabbit, pork, etc. (without dressing and sauce)		x	1E4	1.0		1.0	0.1		without dressing and sauce
(as amended by Ame Resolution No. 71 28.06.2010)								-	-

Boiled and fried fish with marinade	1 x 1E4	1.0		1.0	0.1	25	
1.9.15.7. Cold soups:							
- meat and vegetable soups with kvass, kefir; beet-root soup, botvinia		0.01	0.1	0.1	0.1	25	
cabbage soup with meat, fish, egg (without a sour cream dressing) (as amended by Ame		and Ad	ddition	ns No.	18, app	proved	
Resolution No. 71 28.06.2010)	of Chie	f State	e Sanit	ary I	nspecto	r of th	ne RF dated
- sweet soups and cream soups with canned and desiccated fruits and berries	1 x 1E3	1.0		1.0		25	
<pre>1.9.15.8. Hot soups and other hot dishes: - beet-root soup, cabbage soup, pickled cucumber soup, spicy soup, saltwort, vegetable soup,</pre>	5 x 1E2	1.0				25	
broth	5 x 1E2	1.0		1.0		25	
- cream soups	5 x 1E2	1.0	1.0	1.0		25	
1.9.15.9. Eggs dishes:							
- boiled eggs	1 x 1E3	1.0	-	1.0		25	
- omelettes with eggs (egg melange, egg powder) with and without vegetables, meat products, etc., egg fillings	1 x 1E3	1.0		1.0	0.1	25	

1.9.15.10. Curd dishes:				

- dumplings,	5 x 1E2	1.0	-	1.0	-	25	
steamed pudding - cheese cakes, baked pudding, curd fillings, pies	1 x 1E3	1.0		1.0	0.1	25	
1.9.15.11. Fish dishes:							
- boiled, stewed, fried, baked fish	1 x 1E3	1.0		1.0	0.1	25	
- fish cutlets (stuffed cutlets, schnitzel, meatballs with tomato sauce); baked dishes, pies		1.0		1.0	0.1	25	
1.9.15.12. Meat and meat product dishes: boiled, fried, stewed meat, pilaf, ravioli, meat pies, pancakes, chopped meat dishes, including baked dishes, etc.	1 x 1E3	1.0		1.0	0.1	25	
1.9.15.13. Poultry and rabbit boiled, fried, stewed, baked dishes, chopped poultry dishes, ravioli, pies, etc. 1.9.15.14.	1 x 1E3	1.0		1.0	0.1	25	
Garnish: - boiled rice, boiled pasta, mashed potatoes (without dressing), etc.	1 x 1E3	1.0	1.0	1.0	0.1	25	without dressing

(as amended by Ame Resolution No. 71							
28.06.2010)				-	0.1	25	
- boiled, fried potato (without dressing)	I X IE3	1.0		1.0	0.1	2.5	
(as amended by Ame Resolution No. 71							
28.06.2010) - stewed vegetables (without dressing)	5 x 1E2				0.1	25	
(as amended by Ame Resolution No. 71 28.06.2010)							
1.9.15.15. Sauces and dressings for main courses	5 x 1E3	1.0	_	1.0	0.1	25	
1.9.15.16. Sweet dishes and beverages:							
<pre>- kompots with fresh and canned fruit and berries</pre>	5 x 1E2	1.0		1.0		25	
- kompots with dried fruit and berries	5 x 1E2	1.0		1.0		50	
<pre>- kissels with fresh and dried fruit and berries, juices, syrups, fruit and berry mash</pre>	5 x 1E2	1.0		1.0		50	
- freshly- squeezed fruit and vegetable juices	1 x 1E3	1.0	1.0	1.0			in vegetable juices: L. monocytogen es in 25 g are not allowed
- jelly, mousses	1 x 1E3	1.0	-	1.0	-	25	allowed
- creams (citrus, vanilla, chocolate, etc.)	1 x 1E5	0.1		0.1		25	
- apple charlotte	1 x 1E3	1.0	_	1.0	-	25	
- milkshakes	1 x 1E5	0.1	-	1.0	-	25	
- whipped cream	1 x 1E5	0.1		0.1		25	
1.9.15.17.							

Ready-to-eat	1 x 1	LE31.0	1.0	0.1	25	sulfite-
poultry and fish						reducing
dishes in						clostridia
consumer						in 0.1 g in
packaging,						vacuum-
including vacuum-						packaged
packaged						products
						are not

							allowed
1.9.15.18. Pizza frozen semi- product	5 x 1E4	0.01	0.1	0.1	-	25	
1.9.15.19. Ready- to-eat pizza	1 x 1E3	1.0	_	1.0	0.1	25	
1.9.15.20. Candy floss	1 x 1E3	1.0	_	_	_	25	
1.9.15.21. Ready- to-eat hamburgers, cheeseburgers, sandwiches	2 x 1E4	0.1	1.0	1.0		25	
1.9.15.21. Flour confectionery products with decoration produced by public catering enterprises	accordi	ng to (Clause	1.5.5			E. coli in 0.1 g are not allowed

<*> It is also required to control residual quantities of the pesticides and the antibiotics used for production of food raw material (see Clauses 3.12, 3.13, 3.15).

(the note was amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

<**> Content of toxic elements and radionuclides in food (combined) concentrates must be calculated on the basis of main component(s) both in terms of mass fraction and permissible levels of such contaminants. Note:

<***> the maximum permissible level shall not be applied to products containing less than 1% of fat;

- hereinafter dioxins shall be understood to represent the sum of polychlorinated dibenzo-p-dioxin (PCDD) and polychlorinated dibenzofurans (PCDF), expressed as a sum of toxic equivalency factors (TEF) according to the WHO scale (WHO-TEFs):

TOXIC EQUIVALENCY FACTOR	TEF Value				
ibenzo-p-dioxin (PCDD)					
,3,7,8-Tetrachlorodibenzodioxin	1				
,2,3,7,8-Pentachlorodibenzodioxin	1				
,2,3,4,7,8-Hexachlorodibenzodioxin	0.1				
,2,3,4,7,8-Hexachlorodibenzodioxin	0.1				
,2,3,7,8,9-Hexachlorodibenzodioxin	0.1				
2,3,4,6,7,8-Heptachlorodibenzodioxin	0.01				
Octachlorodibenzodioxin	0.0001				
Dibenzofurans (PCDF)					
2,3,7,8-Tetrachlorodibenzofuran	0.1				
1,2,3,7,8-Pentachlorodibenzofuran	0.05				
2,3,4,7,8-Pentachlorodibenzofuran	0.5				
1,2,3,4,7,8-Hexachlorodibenzofuran	0.1				
1,2,3,6,7,8-Hexachlorodibenzofuran	0.1				
1,2,3,7,8,9-Hexachlorodibenzofuran	0.1				
2,3,4,6,7,8-Hexachlorodibenzofuran	0.1				
,2,3,4,6,7,8-Heptachlorodibenzofuran	0.01				
,2,3,4,7,8,9-Heptachlorodibenzofuran	0.01				
Oktachlorodibenzofuran	0.0001				

TOXIC EQUIVALENCY FACTORS (according to WHO scale) <*>

(the note was introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

1.10. Biologically Active Food Additives

Index, group of products	Indicators	Permissible levels, mg/kg, not more than	Note						
1	2	3	4						
1.10.1.									
		s are regulated sub 9.1, 1.9.2, 1.9.3, 1.							
1.10.2.									
BAA primarily based on lipids of animal and vegetable origin:	_	are regulated subje	ct to Sections:						
- BAA based on vegetable oils	Clauses 1.7.2, 1.	7.3							
- BAA based on fish fat	Clause 1.7.8								
- BAA based on animal fats	Clauses 1.7.4, 1.7	7.5, 1.7.6							
- BAA based on mixed fats	by prevailing com	ponents							
	Dioxins <***>:	according to Clauses 1.7.2, 1.7.3	BAA based on vegetable oils (in terms of fat)						
		according to Clause 1.7.8	BAA based on fish fat (in terms of fat)						
		according to Clause 1.7.4	BAA based on animal fats (in terms of fat)						
		according to Clauses 1.7.3, 1.7.7	BAA based on mixed fats (in terms of fat)						
-		Additions No. 10, Chief State Sanitary							

<pre>1.10.3. BAA based on predominantly digestible carbohydrates, including honey with biologically active components added, syrups, etc.</pre>	1.5.1, 1.6.2, 1.9	s are regulated subje 0.8, 1.5.6. Safety in ated by dry substance	dicators for
<pre>1.10.4. BAA based on predominantly dietary fibers (cellulose, gums, pectin, gum resin,</pre>	Toxic elements: lead arsenic cadmium mercury	1.0 0.2 0.1 0.03	
microcrystal cellulose, bran,	Mycotoxins:		are regulated for raw material
fructooligosacc	Pesticides <*>:		
harides , chitosan and other polysaccharides	Hexachlorocycloh exane (alpha-, beta-, gamma-isomers)	0.5	
)	DDT and its	0.02	
	metabolites Heptachlor	not allowed	< 0.002
	Aldrin	not allowed	< 0.002
	Radionuclides:		
	caesium-137	200	Bq/kg
	Strontium-90	100	the same

	Microbio	ological	indicators	:	
Index, group of products	QMAFAnM , CFU/g, not more than		of products h the indic not E. coli	-	Note
<pre>1.10.4.1. BAA based on predominantly dietary fibers (cellulose, gums, pectin, gum resin, microcrystal cellulose, bran, fructooligosaccha rides, chitosan and other polysaccharides), including fibers with prebiotic effect</pre>	5 x 1E4	0.1	1.0	25	yeast and moulds - 100 CFU/g, not more than
(as amended by Ame Chief State Sanita	No. 41				_

Index, group	Indicators	Permissible levels,	Note
of products		mg/kg, not more than	
1	2	3	4
1.10.5.			
BAA based on pure	Toxic elements:		
substances	lead	5.0	
(vitamins, mineral	arsenic cadmium	3.0 1.0	
5 a. 5 5 a. 16 6 5 7	mercury	1.0	
organic acids, etc.) and their concentrates (vegetable extracts, etc.) with the use of different	Pesticides <*>: hexachlorocycloh exane (alpha-, beta-, gamma-isomers) DDT and its metabolites Heptachlor	0.1 0.1 not allowed	<pre>for composites with included vegetable components < 0.002</pre>
filling agents,	-	not allowed	< 0.002
including dry concentrates for beverages	Radionuclides:		for composites with included vegetable components
	caesium-137	200	Bq/kg
	Strontium-90	100	the same

	Microbi	ological	indicators	5:	
products	QMAFAnM , CFU/g, not more than		of products h the indic not E. coli	-	Note
<pre>1.10.5.1. BAA based on pure substances (vitamins, mineral substances, organic acids, etc.) or their concentrates (vegetable extracts, etc.) with the use of different filling agents, including dry concentrates for beverages</pre>	5 x 1E4	0.1	1.0	10.0	yeast and moulds - 100 CFU/g, not more than

Index, group of products	Indicators	Permissible levels, mg/kg, not more than	Note
1.10.6. BAA based on natural	Toxic elements:		
minerals	lead	6.0	
<pre>(zeolites, etc.),</pre>	arsenic	3.0	
including		12.0	Shilajit
Shilajit	cadmium	1.0	
	mercury	1.0	
	Radionuclides:		
	caesium-137 Strontium-90	200 100	Bq/kg the same

Microbiological indicators:								
Index, group of products	,		the indi	s (g) in cator is		Note		
	more	Colifor m bacteri a (colifo rms)	S. aureus	Pathoge nic, includi ng salmone lla	CFU/g, not more than			
<pre>1.10.6.1. BAA based on natural minerals (zeolites, etc.), including Shilajit</pre>	1 x 1E4	0.1	1.0	10.0	200	yeast and moulds - 100 CFU/g, not more than		

Index, group of products		Permissible levels, mg/kg, not more than	Note
1	2	3	4
1.10.7.			
BAA on			
vegetative			
basis, including			
farina			
- dry (tea)	Toxic elements:		
	lead	6.0	
	arsenic	0.5	
	cadmium	1.0	
	mercury	0.1	
	Pesticides <*>:	0.1	
	hexachlorocycloh		
	exane		
	(alpha-, beta-, gamma-isomers)		
	DDT and its	0.1	
	metabolites		
	heptachlor	not allowed	< 0.002
	aldrin	not allowed	< 0.002
- liquid (elixirs,	Toxic elements:		
balms,	lead	0.5	
tinctures, etc.	arsenic	0.05	
)	cadmium	0.03	
	mercury	0.01	
	Pesticides <*>:		
	hexachlorocycloh	0.1	
	exane		
	(alpha-, beta-,		
	gamma-isomers)	0.1	
	DDT and its metabolites	0.1	
		not allowed	< 0.002
		not allowed	< 0.002
(as amended by A	1	itions No. 18, approv	
		spector of the RF date	

	Micro	biolog	ical ir	ndicat	ors:			
Index, group of products	,	Mass o which not all	the i		(g) in tor is		Moulds , CFU/g	Note
	not more than	Colifo rm bacter ia (colif orms)	E. coli	S. aureu s	Pathog enic, includ ing salmon ella	than	not more than	
1	2	3	4	5	6	7	8	9
<pre>1.10.7.1. BAA on the vegetative basis, including farina: - tableted, capsular, powder</pre>	1 x 1E4	0.1	1.0	1.0	10	100	100	B. cereus 200
- tableted, capsular, powder with probiotic microorganisms added		0.1	1.0	1.0	10	100	100	CFU/g, not more than Probio tic microo rganis ms: 1 x 1E5 CFU/g not less than
- liquid of aseptic bottling	for car	nned for	od of t	the co	rrespor	ndustri nding gr Sanita	oups in	_
- liquid in the form of syrups, elixirs, tinctures, balms, etc.	5 x 1E3	1.0			10	50	50	B. cereus 200 CFU/g, not more than
- dry medicinal plant mixtures (tea)	5 x 1E5	0.01	0.1		10	100	1E3	
- BAA - tea (for children dry)	5 x 1E3	0.1	1.0	1.0	25	50	50	B. cereus 200 CFU/g, not more than

	Indicators		Note
Index, group of	INGLCALOIS	Permissible levels,	Note
products		mg/kg, not more than	
1	2	3	4
1.10.8.	Toxic elements:		
Meat and milk			
stock	lead	1.0	
derived BAA, including	arsenic	1.5	
offal,			
poultry;	cadmium	1.0	
arthropods,	mercury	0.2	
<pre>amphibians, beekeeping products (royal jelly, propolis, etc.) - dry</pre>			
	Mycotoxins:	0.0005	for milk stock
	aflatoxin M1		derived BAA
	Antibiotics <*>:		
		0.01	
– meat stock derived BAA,	laevomycetin (chloramphenicol		Expiring on 01.01.2012.
including			01.01.2012.
poultry offal		0.0003	Shall become effective since 01.01.2012.
	tetracycline	0.01	01.01.2012.
	group		
	bacitracin	0.02	
(as amondod by	Amondmonta No 2		ution No. 70 of
		4, approved by Resol the RF dated 01.06.20	
- milk stock	laevomycetin	0.01	Expiring on
derived BAA	(chloramphenicol		01.01.2012.
)	0.0000	
		0.0003	Shall become effective since 01.01.2012.
	tetracycline	0.01	
	group streptomycin	0.2	
	penicillins	0.004	
	Amendments No. 2	4, approved by Resol the RF dated 01.06.20	
SHICE DEALE DAIL	F		/ /
	<pre>Pesticides <*>: hexachlorocycloh exane (alpha-, beta-,</pre>	0.1	
	gamma-isomers)		

	DDT and its	0.1	
	metabolites		
	Heptachlor	not allowed	< 0.002
	aldrin	not allowed	< 0.002
	Microbiological i x 1E4	indicators: QMAFAnM 1	CFU/g, not more than
	Coliform bacteria (coliforms)	0.1	mass (g) in which the indicator is not allowed
	E. coli S. aureus Pathogenic, including	1.0 1.0 10.0	the same the same the same
	salmonella Yeast and moulds	200	CFU/g, not more than, for beekeeping products
	Dioxins <***>:	according to Clauses 1.1.1, 1.1.2, 1.1.9, 1.1.10	meat stock derived BAA, including poultry offal (in terms of fat)
		according to Clause 1.2.1	milk stock derived BAA (in terms of fat)
No. 41 of Chief No. 10, approv Inspector of th Resolution No. 01.10.2008)	State Sanitary I red by Resolution e RF dated 16.07.	not allowed ditions No. 2, approv nspector of the RF of No. 43 of Chief 2008, Amendments No. Sanitary Inspector	dated 15.04.2003, State Sanitary 11, approved by
1.10.9.			
BAA based on fish, marine	Toxic elements:		
invertebrates,	lead	10.0	
crustaceans,	arsenic	12.0	
molluscs, and	cadmium	2.0	
other	mercury	0.5	
seafood, plant marine	Pesticides <*>:		
organisms (algae, etc.) - dry	hexachlorocyclohe xane (alpha-, beta-,	0.2	
	gamma-isomers)		
	DDT and its metabolites	0.2	
	Heptachlor	not allowed	< 0.002
	Aldrin	not allowed	< 0.002
	Radionuclides:		
	caesium-137	200	Bq/kg
	Strontium-90	100	the same
	Microbiological		
	indicators:		

I	1		
	QMAFAnM,	1 x 1E4	CFU/g, not more than
	Coliform bacteria (coliforms)	0.1	Mass (g) in which the indicator is not
	E. coli	1.0	allowed the same
	S. aureus Pathogenic, including	1.0 10.0	the same the same
	salmonella Yeast and moulds	200	CFU/q, not more
			than <*> for BAA based on plant marine
			organisms
	Dioxins <***>:	according to Clause 1.3.1	BAA based on fish
		according to Clause 1.3.6	BAA based on fish fat
		itions No. 10, approve pector of the RF date	

Index, group of products	Indica	tors			sible lev not more	010,	lote
1.10.10. BAA - based on probiotic microorganisms	Toxic elemen lead arseni cadmiu mercur	.C Im		0.1 0.05 0.03 0.005			
	hexach hexane (alpha gamma- DDT an metabo Heptac Aldrin	-, bet isomer d its blites chlor	clo- a-, s),	0.05			0.002
-	Mass of	f prod the i Lowed	ucts .ndica S.	ator is	Yeast, CFU/g not more	Moulds, CFU/g, not more than	Note
1	2	3	4	5	6	7	8
1.10.10.1. BAA - based on probiotic microorganisms:							
- BAA — dry based on pure microorganism cultures	2.0		2.0	10.0	10	10	probiotic microorganis ms not less than 1 x 1E9 CFU/g
- BAA - dry based on pure microorganism cultures with addition of aminoacids, microelements, mono-, di- and oligosaccharide s, etc.)	1.0	5.0	1.0	10.0	50	50	Probiotic microorganis ms not less than 1 x 1E8 CFU/g
- BAA — liquid based on pure microorganism cultures concentrated		10.0	50.0	10 <*>	probiotic microorganis ms not less than 1 x 1E10 CFU/g <*> yeast and moulds in total		
--	------	------	------	--------	---		
- BAA - liquid based on pure microorganism cultures non- concentrated	10.0	10.0	50.0	10 <*>	Probiotic microorganis ms not less than 1 x 1E7 CFU/g; <*> the same		

Index, group of	Indicators	Permissible levels,	Note
products		mg/kg, not more than	
1	2	3	4
1.10.11. BAA based on	Toxic elements:		
unicellular	lead	2.0	
algae (spirulina,	arsenic	1.0	
chlorella,	cadmium	1.0	
etc.), yeast and their	mercury	0.1	
lysates	Nitrates	1000	for BAA based or algae
	Pesticides <*>:		
	Hexachlorocycloh exane (alpha-, beta-,	0.1	
	gamma-isomers) DDT and its metabolites	0.1	
	heptachlor aldrin	not allowed not allowed	< 0.002 < 0.002
	Radionuclides:	not allowed	< 0.002
		200	
	caesium-137 Strontium- 90	200 100	Bq/kg the same
	Microbiological indicators:		
	QMAFAnM,	1 x 1E4	CFU/g, not more than
	Coliform bacteria (coliforms)	0.1	Mass (g) in which the indicator is not
	E. coli	1.0	allowed the same
	Pathogenic, including salmonella	10.0	the same
	Yeast	10	CFU/q, not more
		100	than, for yeast and their lysates, the same for algae
	Moulds	50	
	noutus	100	CFU/g, not more than, for yeast and their lysates, the same for algae
	Living cells of producers	for yeast and their are not allowed	
		ditions No. 2, approves a spector of the RF date	

<*> It is also required to control residual quantities of the pesticides and the antibiotics used for production of food raw material (see Clauses 3.12, 3.13, 3.15).

(the note was amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

<**> If grizin, bacitracin, antibiotics of tetracycline group are determined with the use of chemical methods of determination, re-calculation of their actual content in unit/g shall be carried out according to the standard activity.

Note:

<***> the maximum permissible level shall not be applied to products containing less than 1% of fat;

- hereinafter dioxins shall be understood to represent the sum of polychlorinated dibenzo-p-dioxin (PCDD) and polychlorinated dibenzofurans (PCDF), expressed as a sum of toxic equivalency factors (TEF)

TOXIC EQUIVALENCY FACTORS (according to	WHO scale) <*>
Congener	TEF value
Dibenzo-p-dioxin (PCDD)	
2,3,7,8-Tetrachlorodibenzodioxin	1
1,2,3,7,8-Pentachlorodibenzodioxin	1
1,2,3,4,7,8-Hexachlorodibenzodioxin	0.1
1,2,3,4,7,8-Hexachlorodibenzodioxin	0.1
1,2,3,7,8,9-Hexachlorodibenzodioxin	0.1
1,2,3,4,6,7,8-Heptachlorodibenzodioxin	0.01
Octachlorodibenzodioxin	0.0001
Dibenzofurans (PCDF)	
2,3,7,8-Tetrachlorodibenzofuran	0.1
1,2,3,7,8-Pentachlorodibenzofuran	0.05
2,3,4,7,8-Pentachlorodibenzofuran	0.5
1,2,3,4,7,8-Hexachlorodibenzofuran	0.1
1,2,3,6,7,8-Hexachlorodibenzofuran	0.1
1,2,3,7,8,9-Hexachlorodibenzofuran	0.1
2,3,4,6,7,8-Hexachlorodibenzofuran	0.1
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.01
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.01
Oktachlorodibenzofuran	0.0001

(the note was introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

<*> 1 pg TEF means that this is a mixture of PCDD and PCDF which corresponds to 1 pg of 2,3,7,8-Tetrac (TCDD).

Annex 2 to SanPin 2.3.2.1078-01, approved by Resolution No. 36 of Chief State Sanitary Inspector of the RF as of November 14, 2001

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

2.1. HYGIENIC REQUIREMENTS FOR NUTRITION VALUE OF SPECIFIC FOOD PRODUCTS

Excluded. - Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003

2.2. CRITERIA FOR NUTRITION VALUE OF FRUIT AND VEGETABLE JUICES

BRIX	Ascorbic	Lemon	Malic	Oxymethylf	Fructose, g/l	Glucose,	Glucose /	Sucrose, g/l	Sorbitol,	Na, mg/l	K, mg/l
	acid	acid	acid	urfurol, g/l		g/l	Fructose		g/l		
	mg/l	g/ll	g/l								
10.0	>= 200	6.3 - 17.0	0.8 -	<= 10	20 - 50	20 - 50	1	10 - 50	-	<= 30	1300 - 2500
9.5	>= 200	8.0 - 20.0	0.2 - 12.0	<= 10	20 - 50	20 - 50	0.9 - 1.02	5 - 40	-	<= 30	900 - 2000
10.0	-	0.05 - 0.2	> 3.0	<= 20	45 - 85	15 - 35	0.3 -	5 - 30	2.5 -	<= 30	900 - 1500
							0.5		7.0		
13.5	-	0 -	2.5 -	<= 20	60 - 110	60 - 110	1.0	no		<= 30	900 - 2000
		0.5	7.0								
11.2	>= 50	3.0 - 11.0	1.0 - 4.0	<= 20	15 - 40	15 - 40	0.8 - 1.1	25 - 80	-	<= 30	900 - 2000
10.2 (11.2)	-	1.5 - 16.0	5 - 20	<= 20	10 - 45	15 - 50	1.0 - 2.5	< 55	1.5 - 10	<= 35	2000 - 4000
5.0	-	2.0 -	0.1 - 0.6	<= 20	12 - 18	10 - 16	0.8 - 1.0	< 1	-	<= 100	1500 - 3500
	10.0 9.5 10.0 13.5 11.2 10.2 (11.2)	acid mg/l 10.0 >= 200 9.5 >= 200 10.0 - 13.5 - 11.2 >= 50 10.2 - (11.2) -	acid mg/lacid g/ll10.0>= 200 $6.3 - 17.0$ 9.5>= 200 $8.0 - 20.0$ 10.0- $0.05 - 0.2$ 13.5- $0 - 0.5$ 11.2>= 50 $3.0 - 11.0$ 10.2- $1.5 - 16.0$	acid mg/lacid g/llacid g/l10.0>= 200 $6.3 - 17.0$ $0.8 - 3.0$ 9.5>= 200 $8.0 - 20.0$ $0.2 - 12.0$ 10.0- $0.05 - 0.2$ > 3.0 13.5-0 - $2.5 - 0.5$ 11.2>= 50 $3.0 - 11.0$ $1.0 - 4.0$ 10.2- $1.5 - 16.0$ $5 - 20$ 11.2- $2.0 0.1 - 0.6$	acid mg/lacid g/llacid g/lacid g/lurfurol, g/l10.0>= 200 $6.3 - 17.0$ $0.8 -$ 3.0 <= 10	acid mg/lacid g/llacid g/lacid 	acid mg/lacid g/llacid g/lurfurol, g/lurfurol, g/lg/l10.0>= 200 $6.3 - 17.0$ $0.8 -$ 3.0 <= 10	acid mg/lacid g/llacid g/lacid g/lurfurol, g/lurfurol, g/lg/lFructose10.0>= 200 $6.3 - 17.0$ $0.8 -$ 3.0 <= 10	acid mg/lacid g/lacid g/lacid g/lurfurol, g/lurfurol, g/lg/lFructose10.0>= 200 $6.3 - 17.0$ $0.8 -$ 3.0 <= 10	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	acid mg/lacid g/lacid g/lurfurol, g/lurfurol, g/lFructoseFructoseg/lg/lIf or of g/l10.0>= 200 $6.3 - 17.0$ $0.8 - 3.0$ <= 10

Organic acids, hydrocarbons, 5-oxymethylfurfurol, Na and K cations

Black currant (mash)	11.6	>= 750	26.0 - 42.0	1 - 4	<= 20	30 - 65	23 - 50	0.6 - 0.9	0 - 5	-	<= 30	2300 - 4100
Cherry	13.5	-	0.0 - 0.4	15.5 - 27.0	<= 20	32 - 60	35 - 70	1.0 - 1.35	no	10 - 35	<= 30	1600 - 3500
Peach	10.0	-	1.5 - 5.0	2.0 - 6.0	<= 20	10 - 32	7.5 - 25	0.8 - 1.0	12 - 60	1 - 5	<= 35	1400 - 3300
Strawberry	7.0	-	5 - 11	0.6 - 5.0	<= 20	18 - 40	15 - 35	0.75 - 1.0	< 10	< 0.25	<= 40	1300 - 2800
Pear	11.9	-	< 4.0	0.8 - 5.0	<= 20	50 - 90	10 - 35	< 0.4	0 - 15	-	<= 30	1000 - 2000
Lemon	8.0	>= 150	45 - 63	1.0 - 7.5	<= 20	3 - 12	3 - 11	0.9 - 1.3	< 7.0	-	<= 30	1100 - 2000

<*> Tartaric acid 2.0 - 7.0 g/l.

Annex 3 to SanPin 2.3.2.1078-01, approved by Resolution No. 36 of Chief State Sanitary Inspector of the RF as of November 14, 2001

3. HYGIENIC REQUIREMENTS FOR SAFETY AND NUTRITION VALUE OF BABY FOOD

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003, No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008, Amendments No. 11, approved by Resolution No. 56 of Chief State Sanitary Inspector of the RF dated 01.10.2008, Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010, Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010, Amendment No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011)

3.1. Infant Food Products

3.1.1. Milk-based products

3.1.1.1. Adapted infant formula (powder, liquid, flavourless and fermented)

1) Nutritional value (in a ready-to-use product)

(as amended by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

Criteria and indices	Measureme nt Units	Permissib	Note	
		standard	marked	
1	2	3	4	5
For 0-5	5 month-old	children		
Protein <1>	g/l	12 - 17	+	
Milk whey proteins	<pre>% of total protein quantity, not less than</pre>	50	+	
Taurine	mg/l	40 - 60	+	
Fat <2>	g/l	30 - 40	+	
Linoleic acid	% of the sum of fatty acids		+	
Linoleic acid	mg/l	4000 - 8000	_	

/polyunsaturated fatty acids ratio				
Hydrocarbons <3>	g/l	65 - 80	+	
Lactose	% of total hydrocarbo n quantity, not less than	65	+	
Energy value	kcal/l	640 - 700	+	
Mineral substances:				
calcium	mg/l	330 - 700	+	
phosphorus	mg/l	150 - 400	+	
calcium/phosphorus ratio	-	1.2 - 2.0	-	
potassium	mg/l	400 - 800	+	
sodium	mg/l	150 - 300	+	
potassium/sodium ratio	-	2.5 - 3	-	
magnesium	mg/l	30 - 90	+	
copper	mkg/l	300 - 600	+	
manganese	mkg/l	10 - 300	+	
iron	mg/l	3 - 9	+	
zinc	mg/l	3 - 10	+	
chlorides	mg/l	300 - 800	-	
iodine	mkg/l	50 - 150	+	
selenium	mkg/l	10 - 40	+	
ash	g/l	2.5 - 4.0	+	
Vitamins:				
retinol (A)	mkg-eq/l	400 - 1000	+	
tocopherol (E)	mg/l	4 - 12	+	
calciferol (D)	mkg/l	7.5 - 12.5	+	
vitamin K	mkg/l	25 - 60	+	
thiamine (B1)	mg/l	0.4 - 2.1	+	
riboflavin (B2)	mg/l	0.5 - 2.8	+	
pantothenic acid	mg/l	2.7 - 14.0	+	
pyridoxine (B6)	mg/l	0.3 - 1.0	+	

niacin (PP)	mg/l	2.0 - 10.0	+	
folic acid (Bc)	mkg/l	60 - 350	+	
cyanocobalamin (B12)	mkg/l	1 - 3	+	
ascorbic acid (C)	mg/l	55 - 150	+	
inosite	mg/l	20 - 280	+	
choline	mg/l	50 - 350	+	
biotin	mkg/l	10 - 40	+	
L-carnitine	mg/l	10 - 20	+	
Nucleotides (sum of cytidine-, uridine-, adenosine-, guanosine- and inosine-5 monophosphates)	mg/l, not more than	35	+	
Acidophilic microorganisms <4>	CFU/cm3, not less than	7 1 x 10	+	In fermente d milk products (in producti on with the use of them)
Bifidobacterium <4>	the same	6 1 x 10	+	the same
Lactic acid microorganisms <4>	the same	7 1 x 10	+	the same
Osmolality	mOsm/l	290 - 320	+	
Acidity	0 Turner, not more than	90	-	for liquid fermented milk products
For 5-1	12 month-old	l children		
Protein <1>	g/l	12 - 21	+	
Milk whey proteins	% of total protein quantity, not less than	than 35	+	
Fat <2>	g/l	25 - 40	+	
Linoleic acid	% of the sum of fatty acids		+	

Linoleic acid	mg/l	4000 - 8000	-	
Hydrocarbons <3>	g/l	70 - 90	+	
Lactose	% of total hydrocarbo n quantity, not less than		+	
Energy value	kcal/l	640 - 750	+	
	Mineral su	bstances:		
calcium	mg/l	400 - 900	+	
phosphorus	mg/l	200 - 600	+	
calcium/phosphorus ratio		1.2 - 2.0	-	
potassium	mg/l	500 - 900	+	
sodium	the same	150 - 300	+	
potassium/sodium rat:	io-	2 - 3	-	
magnesium	mg/l	50 - 100	+	
copper	mkg/l	400 - 1000	+	
manganese	mkg/l	10 - 300	+	
iron	mg/l	7 - 14	+	
zinc	mg/l	4 - 10	+	
chlorides	mg/l	300 - 800	-	
iodine	mkg/l	50 - 350	+	
selenium	mkg/l	10 - 40	+	
ash	g/l	2.5 - 6.0	+	
Vitamins:				
retinol (A)	mkg-eq/l	400 - 800	+	
tocopherol (E)	mg/l	4 - 12	+	
calciferol (D)	mkg/l	8 - 21	+	
vitamin K	mkg/l	25 - 170	+	
thiamine (B1)	mg/l	0.4 - 2.1	+	
riboflavin (B2)	mg/l	0.5 - 2.8	+	
panthotenic acid	mg/l	3.0 - 14.0	+	
pyridoxine (B6)	mg/l	0.4 - 1.2	+	

niacin (PP)	mg/l	3.0 - 10.0	+	
folic acid (Bc)	mkg/l	60 - 350	+	
cyanocobalamin (B12)	mkg/l	1.5 - 3.0	+	
ascorbic acid (C)	mg/l	55 - 150	+	
choline	mg/l	50 - 350	+	
biotin	mkg/l	10 - 40	+	
inosite	mg/l	20 - 280	+	
L-carnitine	mg/l	5 - 20	-	
Nucleotides (sum of cytidine-, uridine-, adenosine-, guanosine- and inosine-5 monophosphates)	mg/l, not more than	35	+	
Acidophilic microorganisms <4>	CFU/cm3, not less than	7 1 x 10	+	<pre>in fermente d milk products (in producti on with the use of them)</pre>
Bifidobacterium <4>	the same	6 1 x 10	+	the same
Lactic acid microorganisms <4>	the same	7 1 x 10	+	the same
Osmolality	mOsm/l	290 - 320	+	
Acidity For 0-	0 Turner, not more than 12 month-old	90 . children	-	for liquid fermented milk products
Protein <1>	g/l	12 - 21	+	
Milk whey proteins	<pre>% of total protein quantity, not less than</pre>	50	+	
Taurine	mg/l	40 - 60	+	
Fat <2>	g/l	30 - 40	+	
Linoleic acid	% of the sum of fatty acids	14 - 20	+	

	mg/l	4000 - 8000	_	
Alpha - tocopherol /polyunsaturated fatty acids ratio	-	1 - 2	-	
Hydrocarbons <3>	g/l	65 - 80	+	
Lactose	% of total hydrocarbo n quantity, not less		+	
Energy value	than kcal/l	640 - 720	+	
Mineral substances:				
calcium	mg/l	400 - 900	+	
phosphorus	mg/l	200 - 600	+	
		1.2 - 2.0		
calcium/phosphorus ratio	_	1.2 - 2.0	-	
potassium	mg/l	400 - 800	+	
sodium	mg/l	150 - 300	+	
potassium/sodium ratio	-	2.5 - 3	-	
magnesium	mg/l	40 - 100	+	
copper	mkg/l	300 - 1000	+	
manganese	mkg/l	10 - 300	+	
iron	mg/l	6 - 10	+	
zinc	mg/l	3 - 10	+	
chlorides	mg/l	300 - 800	-	
iodine	mkg/l	50 - 350	+	
selenium	mkg/l	10 - 40	+	
ash	g/l	2.5 - 6.0	+	
Vitamins:		I	I	
retinol (A)	mkg-eq/l	500 - 800	+	
tocopherol (E)	mg/l	4 - 12	+	
calciferol (D)	mkg/l	8 - 21	+	
vitamin K	mkg/l	25 - 170	+	
thiamine (B1)	mg/l	0.4 - 2.1	+	
riboflavin (B2)	mg/l	0.5 - 2.8	+	
panthotenic acid	mg/l	2.7 - 14.0	+	

	1-			
pyridoxine (B6)	mg/l	0.3 - 1.2	+	
niacin (PP)	mg/l	3.0 - 10.0	+	
folic acid (Bc)	mkg/l	60 - 350	+	
cyanocobalamin (B12)	mkg/l	1.5 - 3.0	+	
ascorbic acid (C)	mg/l	55 - 150	+	
inosite	mg/l	20 - 280	+	
choline	mg/l	50 - 350	+	
biotin	mkg/l	10 - 40	+	
L-carnitine	mg/l	5 - 20	+	
Nucleotides (sum of cytidine-, uridine-, adenosine-, guanosine- and inosine-5 monophosphates)	mg/l, not more than	35	+	
Acidophilic microorganisms <4>	CFU/cm3, not less than	7 1 x 10	+	<pre>in fermente d milk products (in producti on with the use of them)</pre>
Bifidobacterium <4>	the same	6 1 x 10	+	the same
Lactic acid microorganisms <4>	the same	7 1 x 10	+	the same
Osmolality	mOsm/l	290 - 320	+	
Acidity	0 Turner, not more than	90	-	for liquid fermented milk products

Note:

<1> - provided that the protein content in the formula is approximated to the maximum to the protein content in the breast milk;

<2> - the use of sesame and cottonseed oil is prohibited;

the content of trans-isomers must not exceed 3% of the content of common fats;

the total content of myristic and lauric acids must not exceed 20% of the content of common fats;

the ratio of linoleic acid to alpha-linolenic acid must not be less than 5 and more than 15;

when enriching the formulas with long chain fatty acids their content must not exceed 1% of the total fat content for w-3 long chain polyunsaturated fatty acids and 2% for w-6 long chain polyunsaturated fatty acids;

the content of eicosapentaenoic acid must not exceed the content of docosahexaenoic acid;

<3> - along with lactose maltodextrin and maltose may be used; the content of sucrose and (or) fructose or their sum must not exceed 20% of the total hydrocarbon content; the hydrocarbon component may include prebiotics - galactooligosaccharides and fructooligosaccharides (in total not more than 0.8% of the product mass) and lactulose;

<4> - for dry and liquid fermented milk formulas.

2) Safety indices (in a ready-to-eat product)

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

Indicators	Permissible levels,	Notes
	mg/kg, not more than	
	ing, ing, inde indre endri	
1	2	3
Indications of oxidative		
deterioration:		
Peroxide value	4.0	mmol of active
		oxygen/kg
		fat
Toxic elements:		
lead	0.02	
arsenic cadmium	0.05 0.02	
mercury	0.005	
-	1	ber Deselution
(as amended by Amendments and A No. 43 of Chief State Sanitary		
No. 45 of Chief State Sanitary	Inspector of the RF d	aled 10.07.2000)
Antibiotics <*>:		
laevomycetin (chloramphenicol)	0.01	
iaevomycetin (chioramphenicoi)	0.01	Expiring on 01.01.2012.
		01.01.2012.
	0.0003	Shall become
		effective since
		01.01.2012.
tetracycline group	0.01	
penicillins	0.004	
streptomycin	0.2	
(as amended by Amendments No.	24, approved by Res	solution No. 79 of
Chief State Sanitary Inspector		
Mussehautines	not allowed	< 0.00002
Mycotoxins: Aflatoxin Ml		< 0.00002
Pesticides <**>:		
hexachlorocyclohexane (alpha-,	0.02	
beta-, gamma-isomers)		
DDT and its metabolites	0.01	
Radionuclides:		
caesium-137	40	Bq/l
Strontium-90	25	the same
Dioxins	not allowed	
(introduced by Treedworth 1.7	dditione No 10 -	arrad br Dee-lat'
(introduced by Amendments and A No. 43 of Chief State Sanitary		
NO. 45 OF CHIEL SLALE SAULLARY	inspector or the Kr d	acea 10.0/.2000)

(introduced by Amendments No. Chief State Sanitary Inspector c		
Aicrobiological indicators:		
DRY MILK INSTANT INFANT FORMULAS	(FLAVOURLESS AND	FERMENTED)
QMAFAnM,	2 x 1E3	CFU/g, not more
	3 x 1E3	<pre>than, for formulas reconstituted at 37 - 50 degrees C; for fermented milk formulas the norms are not established CFU/g, not more than, for formulas reconstituted at 7 0 - 85 degrees C; for fermented milk formulas the porms are not</pre>
Coliform bacteria (coliforms)	1.0	norms are not established Mass (g) in which the indicator is not allowed
E. coli	10	the same
S. aureus	10	the same
B. cereus	100	CFU/g, not mor than
Pathogenic, including salmonella and L. monocytogenes	100	Mass of product (g) in which th indicator is no
Moulds	50	allowed CFU/g, not mor
Veeet	1.0	than
Yeast Acidophilic microorganisms	10 1 x 1E7	the same CFU/g, not les
		than, in fermente milk products (i production wit the use of them)
Bifidobacteria	1 x 1E6	the same
Lactic acid	1 x 1E7	CFU/g, not les than, in fermente milk products
nicroorganisms (as amended by Amendments and A No. 41 of Chief State Sanitary I		approved by Resolutio
STERILIZED FLAVOURLESS LIQUID IN	NFANT FORMULAS	
Produced in industrial environment with UHT treatment and aseptic bottling	Shall satisfy re industrial ster: accordance with	ilized milk in

Coliform bacteria (coliforms)	3	
corrorm baccerra (corrorms)	5	volume (cm3), in
		which the
		indicator is not
E. coli	10	allowed the same
S. aureus	10	the same
Pathogenic, including	50	the same
salmonella	1 1-5	
Acidophilic microorganisms	1 x 1E7	CFU/cm3, not less
		than (in
		production with
		the use of them)
Bifidobacteria	1 x 1E6	the same
Lactic acid microorganisms	1 x 1E7	CFU/cm3, not less
		than, in fermented
		milk products
Moulds	10	CFU/cm3, not more
		than
Yeast	10	the same
(as amended by Amendments and A	Additions No. 2, ap	oproved by Resolution
No. 41 of Chief State Sanitary		

3.1.1.2. Partially adapted infant formulas, including other formulas (powder, liquid, flavourless and fermented)

1) Nutritional value (in a ready-to-eat product)

Criteria and indices	Measuremen Permissible levels t Units		le levels	Notes
		standard	marked	-
1	2	3	4	5
Protein	g/l	18 - 22	+	
Milk whey proteins	% of total protein quantity	20 - 50		
Casein	the same	50 - 80	-	
Fat	g/l	25 - 38	+	
Linoleic acid	<pre>% of the sum of fatty acids, not less than</pre>		+	
the same	mg/l, not less than		-	
Hydrocarbons	g/l	6 x 1E3 70 - 90	+	
(as amended by Amendme No. 41 of Chief State Energy value				
Mineral substances:				
calcium	mg/l	600 - 900	+	
Calcium		1	1 .	
phosphorus	the same	300 - 500	+	
	mg/l	300 - 500 600 - 900	+ +	
phosphorus potassium sodium	mg/l the same	600 - 900 250 - 350	+++++++	
phosphorus potassium sodium magnesium	mg/l the same mg/l	600 - 900 250 - 350 50 - 100	+ +	
phosphorus potassium sodium magnesium copper	mg/l the same mg/l mkg/l	600 - 900 250 - 350 50 - 100 400 - 1000	+++++++	
phosphorus potassium sodium magnesium	mg/l the same mg/l	600 - 900 250 - 350 50 - 100	+ +	

zinc ash	the same g/l	4 - 10 4 - 5	+ +	
Vitamins:				
retinol (A)	mkg-eq/l	600 - 800	+	
tocopherol (E)	mg/l	5 - 12	+	
calciferol (D)	mkg/l	10 - 12	+	
thiamine (B1)	the same	400 - 800	+	
riboflavin (B2)	the same	600 - 1000	+	
panthotenic acid	the same	2500 - 3500	+	
pyridoxine (B6)	the same	500 - 700	+	
niacin (PP)		4000 - 8000	+	
folic acid (Bc)	the same	50 - 150	+	
cyanocobalamin (B12) ascorbic acid (C)	the same mg/l	1.5 - 3.0 50 - 100	+ +	
(as amended by Amendment	ts and Addi	tions No. 2,	approved by	Resolution
No. 41 of Chief State Sa				
Osmolality	mOsm/kg	320 - 360	+	

2) Safety indices (in a ready-to-eat product) (as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

Indicators	Permissible levels, mg/kg, not more than	Notes
1	2	3
Indications of oxidative deterioration: Peroxide value	4.0	mmol of active oxygen/kg fat
Toxic elements, antibiotics, mycotoxins, pesticides and radionuclides	according to Clause 3.1.1.1	
Dioxins (introduced by Amendments and A No. 43 of Chief State Sanitary I		_
Melamine (introduced by Amendments No. 2 of Chief State Sanitary Inspecto	-	< 1 mg/kg .10.2008,
Microbiological indicators:		
INSTANT FORMULAS		
QMAFAnM,	2 x 1E3 3 x 1E3	CFU/g, not more than, for formulas reconstituted at 37 - 50 degrees C CFU/g, not more than, for formulas reconstituted at 7 0 - 85 degrees C

Coliform bacteria (coliforms)	1.0	Mass (g) in which the indicator is not allowed
E. coli	10	the same
S. aureus	10	the same
B. cereus	100	CFU/g, not more than
Pathogenic, including	100	Mass (g) in which
salmonella and L.		the indicator is
monocytogenes		not allowed
Moulds	50	CFU/g, not more
Yeast	10	than
ieast	10	the same
FORMULAS REQUIRING HEAT TREATME	INT	
QMAFAnM,	2.5 x 1E4	CFU/g, not more than
Coliform bacteria (coliforms)	1.0	Mass (g) in which
		the indicator is not allowed
S. aureus	1.0	the same
B. cereus	200	CFU/g, not more
		than
Pathogenic, including	50	Mass (g) in which
salmonella and L.		the indicator is
monocytogenes		not allowed
Moulds	100	CFU/g, not more than
Yeast	50	the same

3.1.1.3. Sterilized milk (including vitaminized milk)

Criteria and indices	Measureme nt Units	Permissible levels		Notes
		standard	marked	
1	2	3	4	5
Protein	g	2.8 - 3.2	+	
Fat	the same	3.2 - 3.5	+	
	not less than	2.0		prophylac tic food products
Energy value	kcal	55 - 65	+	
Ash	g	0.6 - 0.8	-	
Mineral substances:				
Calcium phosphorus Potassium	mg the same the same	115 - 140 90 - 120 140 - 180	+ +	
Sodium	mg, not more than	140 - 180 60	_	
Vitamins:				
Retinol (A)	mkg-eq	100 - 200	_	for vitaminiz ed products
Beta-carotene	the same	0.05 - 0.1		the same
Thiamine (B1) Riboflavin (B2) Ascorbic acid (C)	the same the same the same	0.1 - 0.2 0.1 - 0.2 2 - 8	- - +	the same the same the same
(as amended by Amendmen No. 41 of Chief State Sa				

2) Safety indices (in a ready-to-eat product)
 (as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary
 Inspector of the RF dated 15.04.2003)

	Permissible levels, mg/kg, not more than	Notes
Indications of oxidative deterioration, toxic elements, antibiotics, mycotoxins, pesticides and radionuclides	3.1.1.1	
	Shall satisfy r industrial sterility milk in accordance these Sanitary Rules	y for sterilized
Dioxins	are not allowed <	< 1 mg/kg
(introduced by Amendments and A	dditions No. 10, appr	oved by Resolution
No. 43 of Chief State Sanitary 1	Inspector of the RF da	ated 16.07.2008)
Melamine	is not allowed	< 1
mg/kg (introduced by Amendment 56 of Chief State Sanitary Insp		

3.1.1.4. Liquid fermented milk products (including products with vegetable and fruit fillings)

Criteria and indices	Measureme nt Units	Permissible levels		Notes
		standard	marked	
1	2	3	4	5
Protein	đ	2.0 - 3.2	+	For
	g, not more than	4.0	+	prophylac tic food products
Fat	g	2.5 - 7.0	+	
	g, not	1.5	+	For
	less than			prophylac
Hydrocarbons	the same	4 - 12	-	tic food
Energy value	kcal	40 - 125	+	products
Ash	g	0.5 - 0.8	-	
Mineral substances:				
calcium	mg	60 - 140	+	
phosphorus	the same	30 - 120	-	
potassium sodium	the same mg, not more than	140 - 180 60	_	
Vitamins:				
thiamine (B1)	the same	0.05 - 0.1	+	for vitaminiz ed products
riboflavin (B2)	the same	0.1 - 0.2	+	the same
ascorbic acid (C)	the same	2 - 8	+	the same
Acidity	0 T, not more than	100	-	

Indicators	Permissible levels,	Notes
	mg/kg, not more than	
Toxic elements, antibiotics, mycotoxins, pesticides and radionuclides	according to Clause 3.1.1.1	
Microbiological indicators:		
Coliform bacteria (coliforms)	3.0	volume (cm3), in which the indicator is not
E. coli	10.0	allowed the same, for products with the shelf life of more than 72 hours
S. aureus	10.0	volume (cm3), in which the indicator is not allowed
Pathogenic, including	50	the same
salmonella Yeast	10	CFU/cm3, not more than, for products with the shelf life of more than 72 hours
	1E4	for kefir
Moulds	10	CFU/cm3, not more than, for products with the shelf life of more than 72 hours
Lactic acid microorganisms	1 x 1E7	CFU/cm3, not less
Bifidobacteria	1 x 1E6	than CFU/cm3, not less than; in production with the use of them)
Acidophilic microorganisms	1 x 1E7	the same
Microscopic slide	Microflora character for this type of p cells of external mic	roduct; absence of
Dioxins	not allowed	
(introduced by Amendments and A No. 43 of Chief State Sanitary		
Melamine	not allowed	< 1 mg/kg
(introduced by Amendments No Sanitary Inspector of the RF da		56 of Chief State

3.1.1.5. Curds and curd products (including products with vegetable and fruit fillings)

1) Nutritional value (in 100 g of the product)

Criteria and indices	Measureme nt Units	Permissible levels		Notes
		standard	marked	
1	2	3	4	5
Protein	a	7 - 17	+	
Fat	the same	3.5 - 15	+	
Hydrocarbons	g, not more than	12	-	
Energy value	kcal	105 - 250	+	
Ash	g	3 - 4	-	
Mineral substances:				
Calcium Sodium	mg mg, not more than	150 - 200 50	+++	
(as amended by Amendmen No. 41 of Chief State Sa				
Acidity	0 T, not more than	150	+	

2) Safety indices

Indicators	Permissible levels, mg/kg, not more than	Notes
1	2	3
Indications of oxidative deterioration:		
peroxide value	4.0	mmol of active oxygen/kg of fat, for products with fat content of more than 5 g/100 g and products enriched with vegetable oils
(as amended by Amendments and A No. 41 of Chief State Sanitary 3		-
Toxic elements: Lead Arsenic Cadmium Mercury	0.06 0.15 0.06 0.015	
(as amended by Amendments and A No. 43 of Chief State Sanitary I		-
Antibiotics, mycotoxins and radionuclides	according to Clause 3.1.1.1	

Pesticides hexachlorocyclohexane beta-, gamma-isomers)	<*>: (alpha-,	0.55		
DDT and its metabolites Microbiological indicat	ors:	0.33		
Coliform bacteria (coli:	forms)	0.3		Mass (g) in which the indicator is not allowed
E. coli		1.0	1	The same, for products with the shelf life of more than 72 hours
S. aureus		1.0		Mass (g) in which the indicator is not allowed
Pathogenic, including salmonella		50	r	The same
Yeast, CFU/g not more th	nan	10]	The same, for products with the shelf life of more than 72 hours
Moulds, CFU/g not more	chan	10		The same
(as amended by Amendmen No. 41	ts and Ad	lditions No. 2,	appro	oved by Resolution
Chief State Sanitary In:	spector of	f the RF dated		2003) 1
Microscopic slide	f		of pr	istic of starters oduct; absence of roflora
Dioxins	1	not allowed		
(introduced by Amendmen	ts and Add	ditions No 10	annr	oved by Resolution
No. 43 of Chief State Sa				

3.1.1.6. Dry milk used for children nutrition

1) Nutritional value (in 100 g of a ready-to-eat product)

Criteria and indices	Measureme nt Units	Permissible levels		Notes
1	2	3	4	5
Protein	g	2.8 - 3.2	+	
Fat Energy value	the same kcal	3.2 - 3.5 56 - 65	+ +	
Mineral substances:				
Calcium	mg	115 - 140	-	
phosphorus	the same	90 - 120	-	
Potassium	the same	140 - 180	-	
Sodium	mg, not more than	60	_	

Indicators	Permissible levels, mg/kg, not more than	Notes
1	2	3
Indications of oxidative deterioration, toxic elements, antibiotics, mycotoxins, pesticides and radionuclides	2 1 1 1	
Microbiological indicators:		
- for instant milk	according to Clause 3.1.1.2	
- for milk that requires boiling after reconstitution:		
QMAFAnM,	2.5 x 1E4 1.0	CFU/g, not more
Coliform bacteria (coliforms)		than, mass (g), in which the indicator is not
S. aureus	1.0	allowed the same
Pathogenic, including salmonella and L.	25	the same
monocytogenes Moulds	100	CFU/g, not more than
Yeast	50	the same
Dioxins	not allowed	
(introduced by Amendments and A No. 43 of Chief State Sanitary 3		-
Melamine	not allowed	< 1 mg/kg
(introduced by Amendments No. Sanitary Inspector of the RF dat		

3.1.1.7. Dry and liquid milk beverages (for children aged from 6 months to 3 years)

1) Nutritional value (in 100 g of a ready-to-eat product)

Criteria and indices	Measuremen t Units	Permissible levels		Notes
		standard	marked	
1	2	3	4	5
Protein	g	2.0 - 5.0	+	
Fat	the same	1.0 - 4.0	+	
Hydrocarbons	the same	7.0 - 12.0	+	
Energy value	kcal	45 - 105		
Mineral substances:				
calcium	mg	105 - 240	+	
phosphorus	the same	65 - 180	+	
potassium	the same	105 - 180	-	
iron	the same	1 - 2		for
			-	enriched
				products

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)					
Vitamins:					
retinol (A)	mkg-eq	80 - 120	+	for vitaminiz ed products	
tocopherol (E)	mg	0.7 - 1.2	+	the same	
ascorbic acid (C)	the same	5 - 15	+	the same	
thiamine (B1) riboflavin (B2)		0.2 - 0.5 0.2 - 0.5	+ +	the same the same	
(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)					

Indicators	Permissible levels, mg/kg, not more than	Notes
1	2	3
Indications of oxidative deterioration, toxic elements, antibiotics, mycotoxins, pesticides and radionuclides	3.1.1.1	for dry beverages - in terms of reconstituted product
Microbiological indicators:		
LIQUID BEVERAGES		
QMAFAnM,	1.5 x 1E4	CFU/cm3, not more than
Coliform bacteria (coliforms)	0.1	volume (cm3), in which the indicator is not allowed
E. coli	1.0	the same, for products with the shelf life of more than 72 hours
S. aureus	1.0	volume (cm3), in which the indicator is not allowed
Pathogenic, including salmonella and L. monocytogenes	50	the same
Yeast	50	CFU/cm3, not more than, for products with the shelf life of more than 72
Moulds	50	hours the same
DRY DRINKS REQUIRING HEAT TREAT (as amended by Amendments and A No. 41 of Chief State Sanitary 3	Additions No. 2, appr	oved by Resolution
QMAFAnM,	2.5 x 1E4	CFU/cm3, not more than

Coliform bacteria (coliforms)	1.0	Mass (g) in which the indicator is not allowed
S. aureus	1.0	the same
Pathogenic, including salmonella	25	the same
Moulds	100	CFU/g, not more
Yeast	50	than
		the same
- DRY INSTANT BEVERAGES	according to Clause 3.1.1.2	Instant formulas
(introduced by Amendments and A No. 41 of Chief State Sanitary D		-
Dioxins	not allowed	
(introduced by Amendments and A No. 43 of Chief State Sanitary 1		-
Melamine	not allowed	< 1 mg/kg
(introduced by Amendments No. Sanitary Inspector of the RF dat		56 of Chief State

3.1.2. Cereal-Based Complementary Feeding Products

3.1.2.1. Flour and grain requiring cooking

Criteria and indices	Measureme nt Units	Permissible levels		Notes
		standard	marked	
1	2	3	4	5
Moisture	g, not more than	9	-	
Protein	g	7 - 14	+	
Fat Hydrocarbons	the same the same	0.5 - 7.0 70 - 85	+ +	
Energy value	kcal	310 - 460	+	
Ash	a	0.5 - 2.5	-	
Mineral substances:				
sodium	mg, not more than	25	-	
iron	mg	1 - 8	_	

Indicators		
	Permissible levels,	Notes
	mg/kg, not more than	
1	2	3
Toxic elements:		
lead	0.3	
arsenic	0.2	
cadmium	0.06	
mercury	0.02	
Mycotoxins:		
aflatoxin B1	not allowed	< 0.00015
dezoxynivalenol	not allowed	
dezoxymivarenor	not allowed	< 0.05 for wheat,
		barley flour
_		
zearalenone	not allowed	< 0.0 05 for
		maize, wheat,
		barley flour
		-
T-2 toxin	not allowed	< 0.05
Pesticides:		
hexachlorocyclohexane (alpha-,	0.01	
	0.01	
beta-, gamma-isomers)		
	0.01	
DDT and its metabolites	0.01	
hexachlorobenzene	0.01	
mercury organic pesticides	not allowed	
2, 4-D acid, its salts and	not allowed	
esters		
Benz(a)pyrene	not allowed	< 0.2 mkg/kg
Radionuclides (in a ready-to-		
eat product):		
eat product).		
caesium-137	40	Bq/kg
Strontium-90	25	the same
(as amended by Amendments and a		
No. 41 of Chief State Sanitary		
NO. 41 OI CHIEL State Samitary	Inspector of the Kr d	aceu 13.04.2003)
Harmful contaminants:		
Pest contamination and	not allowed	
infestation of grain (insects,		
mites)		
_	3 x 1E4	%; size of
mites)		%; size of separate
mites)		separate
mites)		separate particles shall
mites)		separate particles shall not exceed 0.3 mm
mites)		separate particles shall not exceed 0.3 mm in the largest
mites)		separate particles shall not exceed 0.3 mm in the largest linear
mites) Metallic impurities		separate particles shall not exceed 0.3 mm in the largest
mites)		separate particles shall not exceed 0.3 mm in the largest linear
mites) Metallic impurities		separate particles shall not exceed 0.3 mm in the largest linear
mites) Metallic impurities Microbiological indicators:		separate particles shall not exceed 0.3 mm in the largest linear measurement
mites) Metallic impurities	3 x 1E4	separate particles shall not exceed 0.3 mm in the largest linear measurement
mites) Metallic impurities Microbiological indicators: QMAFAnM,	3 x 1E4	separate particles shall not exceed 0.3 mm in the largest linear measurement CFU/g, not more than
mites) Metallic impurities Microbiological indicators:	3 x 1E4 5 x 1E4	separate particles shall not exceed 0.3 mm in the largest linear measurement CFU/g, not more than Mass (g) in which
mites) Metallic impurities Microbiological indicators: QMAFAnM,	3 x 1E4 5 x 1E4	separate particles shall not exceed 0.3 mm in the largest linear measurement CFU/g, not more than Mass (g) in which the indicator is
mites) Metallic impurities Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms)	3 x 1E4 5 x 1E4 0.1	separate particles shall not exceed 0.3 mm in the largest linear measurement CFU/g, not more than Mass (g) in which the indicator is not allowed
mites) Metallic impurities Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) Pathogenic, including	3 x 1E4 5 x 1E4	separate particles shall not exceed 0.3 mm in the largest linear measurement CFU/g, not more than Mass (g) in which the indicator is
mites) Metallic impurities Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) Pathogenic, including salmonella	3 x 1E4 5 x 1E4 0.1	separate particles shall not exceed 0.3 mm in the largest linear measurement CFU/g, not more than Mass (g) in which the indicator is not allowed
mites) Metallic impurities Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) Pathogenic, including	3 x 1E4 5 x 1E4 0.1	separate particles shall not exceed 0.3 mm in the largest linear measurement CFU/g, not more than Mass (g) in which the indicator is not allowed the same CFU/g, not more
mites) Metallic impurities Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) Pathogenic, including salmonella	3 x 1E4 5 x 1E4 0.1 25 200	separate particles shall not exceed 0.3 mm in the largest linear measurement CFU/g, not more than Mass (g) in which the indicator is not allowed the same CFU/g, not more than
mites) Metallic impurities Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) Pathogenic, including salmonella	3 x 1E4 5 x 1E4 0.1 25	separate particles shall not exceed 0.3 mm in the largest linear measurement CFU/g, not more than Mass (g) in which the indicator is not allowed the same CFU/g, not more

ochratoxin A	not allowed	< 0.0005 for all types
(introduced by Amendments and A No. 43 of Chief State Sanitary amended by Amendments and Addit 71 of Chief State Sanitary Inspe	Inspector of the RF c ions No. 18, approved	dated 16.07.2008 as A by Resolution No.
fumonisins B1 and B2	0.2	for maize flour
(introduced by Amendments and A No. 43 of Chief State Sanitary I		1

Criteria and indices	Measureme nt Units	Permissible levels		Notes
		standard	marked	
1	2	3	4	5
Moisture	g	4 - 6	_	
Protein	g, not less than	4.0	+	
Fat	(g), not more than	12.0	+	
Hydrocarbons	the same	70 - 85	+	
Energy value	kcal	315 - 480	+	
Ash	g	0.5 - 3.5	-	
(as amended by Amendmen No. 41 of Chief State Sa				
Mineral substances:				
sodium	mg, not more than	30	+	
calcium	mg	300 - 600	+	for enriched products
iron	the same	5 - 12	+	the same
iodine	mkg	40 - 80	+	for
	-			enriched
				products
(introduced by Amendment No. 71 of Chief State Sa				
Vitamins: thiamine (B1)	mg	0.2 - 0.6	+	for vitaminiz ed products
Riboflavin (B2)	the same	0.3 - 0.8	+	the same
niacin (PP)	the same	3 - 8	+	the same
ascorbic acid (C)	the same	30 - 100	+	the same
retinol (A)	mkg-eq	300 - 500	+	the same
tocopherol (E)	mg	5 - 10	+	the same

3.1.2.2. Dry milk free instant porridges (kashas) (of instant cooking)1) Nutritional value (in 100 g of the product)

Indices	Permissible levels,	Notes
	mg/kg, not more than	
Toxic elements, mycotoxins, pesticides, benz(a)pyrene, radionuclides and pest infestation and contamination of grain (insects, mites) and metallic impurities	3.1.2.1	
(as amended by Amendments and A No. 43 of Chief State Sanitary I		
Microbiological indicators:		
QMAFAnM,	1 x 1E4	CFU/g, not more than
Coliform bacteria (coliforms)	1.0	mass (g) in which the indicator is not allowed
Pathogenic, including	50	the same
B. cereus	200	CFU/g, not more than
Moulds,	100	the same
Yeast	50	the same

3.1.2.3. Dry milk instant porridges (kashas) requiring cooking

Criteria and indices	Measureme nt Units	Permissib	le levels	Notes
		standard	marked	
1	2	3	4	5
Moisture	g, not more than	8	+	
Protein	g	12 - 20	+	
Fat	the same	10 - 18	+	
Hydrocarbons	the same	60 - 70	+	
Energy value	kcal	380 - 520	+	
Ash	g	2.5 - 3.5	-	
Mineral substances:				
sodium	mg, not	500	+	
calcium	more than mg	400 - 600	+	for enriched
				products
iron	the same	6 - 10	+	the same
Vitamins:				
thiamine (B1)	mg	0.2 - 0.6	+	for vitaminiz ed products
Riboflavin (B2)	the same	0.4 - 0.8	+	the same
niacin (PP)	the same	4 - 8	+	the same
retinol (A)	mkg-eq	300 - 500	+	the same
tocopherol (E)	mg	5 - 10	+	the same
ascorbic acid (C)	the same	30 - 100	+	the same

(part 2 as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

Indices	Permissible	Note
	levels,	
	mg/kg, not	
	more than	
Toxic elements:		
lead	0.3	
arsenic	0.2	
cadmium	0.06	
mercury	0.03	
Antibiotics <*>:		
laevomycetin (chloramphenicol)	0.01	
Taevomycettii (Chioramphenicor)	0.01	Expiring on 01.01.2012.
	0.0003	Shall become
		effective since
		01.01.2012.
		01.01.2012.
tetracycline group	0.01	
penicillins	0.004	
streptomycin	0.2	
(as amended by Amendments No. 24, a Chief State Sanitary Inspector		
Mycotoxins:		
aflatoxin Bl	not allowed	< 0,00015
	not arrowed	
aflatoxin M1		< 0,00002
	not allowed	< 0,00002
dezoxynivalenol	not allowed	< 0,05 for wheat,
	not allowed	barley porridges
zearalenone	not allowed	< 0,0 05 for
		maize, wheat,
		barley porridges
T-2 toxin	not allowed	< 0,05
Pesticides <**>:	I	
	0.01	
<pre>hexachlorocyclohexane (alpha-, beta- , gamma isomers)</pre>	0.01	
DDT and its metabolites	0.01	
	0.01	< 0 0
Benz(a)pyrene	not allowed	< 0,2 mkg/kg
1	1	

Dioxins	not allowed	
(introduced by Amendments and Additic No. 43 of Chief State Sanitary Inspec		1
Melamine	not allowed	< 1 mg/kg
(introduced by Amendments No. 11, ap of Chief State Sanitary Inspector of Radionuclides (in terms of	the RF dated 0	1.10.2008)
	1	
caesium-137	40	Bq/l
Strontium-90	25	the same
Pest contamination and infestation of grain (insects, mites)and metallic impurities	2	
(as amended by Amendments and Additic No. 43 of Chief State Sanitary Inspec		-

3.1.2.4. Dry milk instant porridges (kashas) (of instant cooking)

1) Nutritional value (in 100 g of the product)

Criteria and indices	Measurement Units	Permissil	ole levels	Notes
		standard	marked	_
1	2	3	4	5
Protein	g	12 - 20	+	
	g, not less than	7	+	in porridge s requiri: g reconst tution with whole o partial y diluted cows milk
Fat	g g, not less than	10 - 18 5.0	+	<pre>in porridge s on the whole milk, the mas. fraction of which is less than 25 if butter or oil is added in reconst tuted</pre>

	the same	0.5		in porridges on skimmed milk i: reconstit uted with whole milk on if butter or oil is added into reconstit uted porridge
Hydrocarbons	the same	60 - 70	+	
Energy value	kcal	380 - 520	+	
Mineral substances:	according to Clause 3.1.2.3			
Vitamins:	the same			

Indices	Permissible levels, mg/kg, not more than	
Toxic elements, mycotoxins, antibiotics, pesticides, benz(a)pyrene	according to Clause 3.1.2.3	
Radionuclides and pest contamination and infestation of grain (insects, mites)and metallic impurities (as amended by Amendments and A No. 43 of Chief State Sanitary I	dditions No. 10, app:	roved by Resolution
Microbiological indicators:		
QMAFAnM,	1 x 1E4	CFU/g, not more than
Coliform bacteria (coliforms)	1.0	mass (g) in which the indicator is not allowed
S. aureus B. cereus	1.0 2 x 1E2	the same CFU/g, not more than
Pathogenic, including salmonella and L.	50	the same

monocytogenes Moulds, Yeast	100 50	CFU/g, no than	ot more
Dioxins	are not allowed		
(introduced by Amendments and A No. 43 of Chief State Sanitary I		-	
Melamine	is not allowed	<	1 mg/kg
(introduced by Amendments No.			56 of
Chief State Sanitary Inspector	of the RF dated 01.1	0.2008)	

3.1.2.5. Soluble biscuits

Criteria and indices	Measuremen t Units	Permissib	le levels	Notes
		standard	marked	-
1	2	3	4	5
Protein	g	5 - 11	+	
Fat	the same	6 - 12	+	
Hydrocarbons Energy value	the same kcal	65 - 80 330 - 440	++++	
Mineral substances:				
Sodium Calcium	mg the same	300 - 500 300 - 600	+ +	for enriched products
Iron	the same	10 - 18	+	the same
Vitamins:				
Thiamine (B1)	mg	0.3 - 0.6	+	for vitaminiz ed products
Riboflavin (B2)	the same	0.3 - 0.8	+	the same
Niacin (PP)	the same	4 - 9	+	the same
Ascorbic acid (C)	the same	20 - 50	+	the same

Indices	Permissible levels,	Notes
	mg/kg, not more than	
Toxic elements, mycotoxins,	according to Clause	
pesticides, benz(a)pyrene	5.1.2.5	
Radionuclides	a a constant a classes	
Radionuclides	according to Clause 3.1.2.1	
Microbiological indicators:		
OMAFAnM,	$1 \times 1E4$	CFU/q, not more
QMAFAIM,	1 X 154	than
Coliform bacteria (coliforms)	1.0	mass (g) in which the indicator is
		not allowed
Pathogenic, including	50	the same
salmonella Moulds,	100	CFU/g, not more
Yeast	50	than the same
	according to Clause	
Pest contamination and infestation of grain (insects,	3.1.2.1	
mites) and metallic impurities		
(introduced by Amendments and A	dditions No. 10, appr	oved by Resolution
No. 43 of Chief State Sanitary 1		-

3.1.3. Fruit-and-Vegetable-Based Products, Fruit-and-Vegetable Canned Foods (Fruit, Vegetable and Fruit and Vegetable Juices, Nectars and Drinks; Fruit Waters; Puree; Fruit and Milk, and Fruit and Grain Puree) (as amended by Amendments and Additions No. 18, approved by Resolution No. 71

of Chief State Sanitary Inspector of the RF

standard 3 4 - 16	marked 4 -	5 for juice products from fruit, fruit with addition		
-	<u>4</u> _	for juice products from fruit, fruit with addition		
4 - 16	-	juice products from fruit, fruit with addition		
		products from fruit, fruit with addition		
		from fruit, fruit with addition		
		fruit, fruit with addition		
		fruit with addition		
		with addition		
		addition		
		of		
		vegetabl		
		es,		
		vegetabl		
		es,		
		vegetabl		
		es with		
		addition		
		of fruit		
4 - 10	-	for		
		juice		
	4 - 10	4 - 10 -		
(as amended by Amendment No. 71 of Chief State Sa		ector of the	approved by	
--	------------------------------------	--------------	-------------	--
Mass fraction of dry substances	0 0	4 - 25	_	for puree
(as amended by Amendment No. 71 of Chief State Sa	nitary Insp			
Mass fraction of titratable acids	°g not more than	1.2		for juice products from citruses (in terms of water- free citric acid)
	the same	0.8	_	for juice products from other fruit and (or) vegetabl es (in terms of apple acid)
(as amended by Amendment No. 71 of Chief State Sa				
Total acidity	° _g not more than	0.8	_	
Hydrocarbons, including added sugar	g	3 - 25	+	added sugar is not allowed for juices
	g, not more than	10	-	for nectars and juice containi ng drinks

	g, not more than	12	-	for fruit water
(introduced by Amendmen No. 43 of Chief State as amended by Amendment No. 71 of Chief State Sa	ts and Addi Sanitary In s and Addit	spector of th tions No. 18,	ne RF dated 1 approved by	16.07.2008, Resolution
Sodium chloride	° not more than	0.4		save tomato juice
	° not more than	0.6	-	for tomato juice
Proteins	g, not less than	0.5		for fruit and milk, and fruit and cereal puree
Mass fraction of ethanol	o not more than	0.2		for fruit juices and puree
(as amended by Amendmen No. 41 of Chief State No. 18, approved by Inspector of the RF date Mineral substances:	Sanitary In Resolution	spector of th No. 71 of	ne RF dated 1	15.04.2003,
potassium sodium	Mg mg, not	70 - 300, 200	+ -	
iron	more than mg, not more than	3.0	+	for enriched products
(as amended by Amendmen	mg, not more than ts and Addi	tions No. 18,	approved by	enriched products Resolution
(as amended by Amendmen	mg, not more than ts and Addi	tions No. 18,	approved by	enriched products Resolution
(as amended by Amendmen No. 71 of Chief State Sa	mg, not more than ts and Addi	tions No. 18,	approved by	enriched products Resolution
(as amended by Amendmen No. 71 of Chief State Sa Vitamins:	mg, not more than ts and Addi anitary Insp mg, not more	tions No. 18, bector of the	approved by RF dated 28.0	enriched products Resolution 06.2010) for enriched
(as amended by Amendmen No. 71 of Chief State Sa Vitamins:	<pre>mg, not more than ts and Addi anitary Insp mg, not more than mg, not less than ts and Addi ts and Addi</pre>	tions No. 18, pector of the 75.0 25.0 tions No. 18,	approved by RF dated 28.0 + approved by	enriched products Resolution 06.2010) for enriched products at the end of the shelf life Resolution

Indices	Permissible level mg/kg, not more that	
1	2	3
Toxic elements:		
Lead Arsenic	0.3 0.1	
(as amended by Amendments an No. 71 of Chief State Sanita	-	
Cadmium Mercury	0.02 0.01	
Mycotoxins:		
Patuline	not allowed	< 0,02, for products containing apples tomatoes, sea buckthorn
Dezoxynivalenol	not allowed	< 0,05 for fruit and cereal puree, containing wheat, barley flour
Zearalenone	not allowed	< 0,005 for fruit and cereal puree containing wheat, maize, barley flour
Aflatoxin M1	not allowed	< 0,00002 for fruit and milk puree
ochratoxin A	not allowed	< 0,0005 for products containing wheat, rye, barley, oat,
(introduced by Amendments an No. 43 of Chief State Sanita:		
Aflatoxin Bl	not allowed	< 0,00015 for fruit and cereal
Pesticides <**>:		puree
hexachlorocyclohexane (alph beta-, gamma isomers)	0.01	
DDT and its metabolites	0.005	
Nitrates:	50	on fruit basi (save
	200	containing bananas and strawberry) on vegetable, and fruit and vegetable basis, also for containing bananas
(as amended by Amendments an No. 71 of Chief State Sanita		

5-Oxymethylfurfurol	20.0	for juice products	
(introduced by Amendments and A No. 71 of Chief State Sanitary I		-	
5-Oxymethylfurfurol	according to Clause 2.2	for fruit juices and nectars	
Radionuclides:			
caesium-137 Strontium-90	40 25	Bq/kg the same	
(as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)			
Microbiological indicators	Shall satisfy requir industrial sterility of corresponding gro with Annex 8	for canned food	

3.1.4. Meat-Based Complementary Feeding Products

- 3.1.4.1. Canned food from meat (beef, pork, mutton, poultry, etc.), including with addition of by-products
- 1) Nutritional value (in 100 g of the product)

Criteria and indices	Measuremen t Units	Permissib	le levels	Notes
		standard	marked	
Mass fraction of dry	a,	20	-	
substances	not less than the same	17	-	canned food from
Protein	g	8.5 - 15	+	poultry
	g, not less than	7	+	canned food from
Fat	the same	3 - 12	+	poultry
Energy value	kcal	80 - 180	+	
Sodium chloride	g,	0.4	+	
Iron	not more than mg	1 - 5	+	in iron- enriched canned food
Vitamins:		according to		
		Clause 3.1.4.3		
Starch	g, not more than	3	_	as a thickenin g agent
Rice and wheat flour	g, not more than	5		the same

Indices	Permissible levels,	Notes
	mg/kg, not more than	
1	2	3
Toxic elements:		
lead	0.2	
arsenic	0.1	
cadmium	0.03	
mercury	0.02	
stannum	100	for canned food in
		assembled tin
		containers
Antibiotics <*>:	I	I
laevomycetin (chloramphenicol)	0.01	Expiring on
		01.01.2012.
		01.01.0010
	0.0003	Shall become
		effective since
		01.01.2012.
tetracycline group	0.01	
bacitracin	0.02	
(as amended by Amendments No.	24 approved by Res	solution No. 79 of
Chief State Sanitary Inspector		
Pesticides <**>:	1	
hexachlorocyclohexane (alpha-,		
beta-, gamma isomers)	0.02 0.01	
DDT and its metabolites		
Nitrates:	not allowed	< 0,5
Nitrosamines:	not allowed	< 0,001
		< 0,001
sum of N-Nitrosodimethylamine and N-Nitrosodiethylamine		
(introduced by Amendments and A	 Additions No 2 amor	l
No. 41 of Chief State Sanitary		
ino. If of enter state samitary	inspector or the Kr u	acca 10.01.2003)

Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010 in Clause 3.1.4. in section "2) Safety indices" the standards of permissible levels of radionuclides in the line "strontium-90" have been changed from 40 to 25.

Radionuclides:			
caesium-137	40	Bq/kg	
Strontium-90	25	the same	
(as amended by Amendments and A No. 71 of Chief State Sanitary D		-	
Microbiological indicators	Shall satisfy requir industrial sterility of group "A" in acco 8 to these Sanitary	y for canned food ordance with Annex	
Dioxins	not allowed		
(introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)			

3.1.4.2. Meat-Based Pasteurized Sausages (for Children of 1.5 Year Old and Older)

1) Nutritional value (in 100 g of the product)

Criteria and indices	Measuremen t Units			Notes
		standard	marked	
Protein	g, not less than	12	+	
Fat Sodium chloride	g g, not more	16 - 20 1.5	+ +	
Energy value	than kcal	180 - 240	+	
(as amended by Amendme No. 41 of Chief State S				

2) Safety indices

Indices	Permissible levels, mg/kg, not more than	Notes
Toxic elements, antibiotics, pesticides, nitrites, nitrosamines:	according to Clause 3.1.4.1	
Radionuclides:	according to Clause 3.1.4.1	
Microbiological indicators:		
QMAFAnM,	2 x 1E2 1.0	CFU/g, not more
Coliform bacteria (coliforms)		than, mass of product (g), in which the indicator is not allowed
Pathogenic, including salmonella	50	the same
Sulfite-reducing clostridia	0.1	the same
B. cereus	1.0	the same
Dioxins	not allowed	

3.1.4.3. Meat and Vegetable Canned Food (Vegetable and Meat Canned Food)

(as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)

Criteria and indices	Measuremen t Units	Permissible levels		Notes
		standard	marked	
1	2	3	4	5
Mass fraction of dry	d	5 - 26	-	
substances				
(as amended by Amendmen No. 71 of Chief State Sa				
Protein	g	1.5 - 8.0	+	
(as amended by Amendmen No. 71 of Chief State Sa				
Fat	the same	1 - 6	+	
Hydrocarbons	the same	5 - 15	+	
Energy value	kcal	40 - 140	+	
Sodium chloride	a,	0.4	+	
-	not more than			
Iron	mg	0.5 - 3.0	+	for enriched products
Vitamins:				
beta-carotene	mg	1 - 3		for vitaminiz ed products
Thiamine (B1)	mq	0.1 - 0.2	-	the same
Riboflavin (B2)	the same	0.1 - 0.3	-	the same
Niacin (PP)	the same	1 - 4	-	the same
Starch	g,	3		added as
	not more than			a thickeni ng agent
Rice and wheat flour	g,	5		the same
	not more than			

Indices	Permissible levels,	Notes
	mg/kg, not more than	
1	2.	3
Toxic elements:	2 	
lead .	0.3	
arsenic	0.2	
cadmium	0.03	
mercury stannum	100	
Stannun	100	for canned food in assembled tin containers
Antibiotics <*>:		
laevomycetin (chloramphenicol)	0.01	Expiring on 01.01.2012.
	0.0003	Shall become effective since 01.01.2012.
tetracycline group	0.01	
bacitracin	0.02	
(as amended by Amendments No. Chief State Sanitary Inspector		
Mycotoxins:		
Patuline	not allowed	< 0.02, for products containing
Aflatoxin Bl	not allowed	tomatoes < 0.00015, for products containing cereal
Dezoxynivalenol	not allowed	< 0.05 for canned food containing wheat, barley flour
ochratoxin A	not allowed	< 0.0005 for all types
(introduced by Amendments and A No. 43 of Chief State Sanitary	Inspector of the RE	roved by Resolution 7 dated 16.07.2008,
as amended by Amendments and A No. 71 of Chief State Sanitary		
Zearalenone	not allowed	< 0.0 05 for
		products containing wheat, barley, maize flour
T-2 toxin	not allowed	< 0.05, for products containing cereal
Pesticides <**>: hexachlorocyclohexane (alpha-, beta-, gamma isomers) DDT and its metabolites	0.02 0.01	
Nitrates	150	for canned food containing
		vegetables

Nitrites	not allowed	< 0,5
Nitrosamines:	not allowed	< 0.001
sum of N-Nitrosodimethylamine		
and N-Nitrosodiethylamine		

Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010 in Clause 3.1.4. in section "2) Safety indices" the standards of permissible levels of radionuclides in the line "strontium-90" have been changed from 40 to 25.

Radionuclides:				
caesium-137	40	Bq/kg		
Strontium-90	30	the same		
-	and Additions No. 18, approved by Resolutic tary Inspector of the RF dated 28.06.2010)			
Microbiological indicators	Shall satisfy requirements for industrial sterility for canned food of group "A" in accordance with Annex 8			
Dioxins	not allowed			
(introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)				

3.1.5.1. Fish Canned Food Products

Criteria and indices	Measuremen t Units	Permissible levels		Notes
		standard	marked	
Mass fraction of dry substances	g	15 - 25	-	
Protein	g	8 - 15	+	
Fat	the same	5 - 11	+	
Energy value	kcal	100 - 155	+	
Sodium chloride	g,	0.4	+	
	not more than			
Mineral substances: iron	the same	0.4 - 3.0	+	for enriched products
Vitamins:				
thiamine (B1)	mg	0.1 - 0.2	+	for enriched products
riboflavin (B2)	the same	0.1 - 0.3	+	the same
niacin (PP)	the same	1 - 4	+	the same
starch	g, not more than	3	-	added as a thickeni ng agent
rice and wheat flour	g, not more than	5	-	the same

Indices	Permissible levels,	Notes		
	mg/kg, not more than			
Toxic elements:				
Lead	0.5			
Arsenic	0.5			
Cadmium	0.1			
Mercury	0.15			
Stannum	100	for canned food in assembled tin containers		
Pesticides <**>:				
hexachlorocyclohexane (alpha-, beta-, gamma isomers)	0.02			
DDT and its metabolites	0.01			
Polychlorinated biphenyls	0.5			
Histamine	100	tuna, mackerel, salmon, herring		
(as amended by Amendments and A No. 41 of Chief State Sanitary 3		-		
Nitrosamines	not allowed	< 0.001		
Radionuclides:				
caesium-137	100	Bq/kg		
Strontium-90	60	the same		
Microbiological indicators	Shall satisfy requirements for industrial sterility for canned food of group "A" in accordance with Annex 8			
Dioxins	not allowed			
(introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)				

3.1.5.2. Fish and Vegetable Canned Food

Criteria and indices	Measureme nt Units	Permissible levels		Notes
		standard	marked	
Mass fraction of dry substances	g, not less than	17	-	
(as amended by Amendment No. 71 of Chief State Sa				
Protein	g	1.5 - 6	+	
Fat	the same	1 - 6	+	
Energy value	kcal	35 - 120	+	
Sodium chloride	a,	0.4	+	
	not more than			
Mineral substances:				
Iron	the same	according to	_	
		Clause 3.1.5.1		
Vitamins:		according to		
		Clause 3.1.5.1		
Starch	g,	3	-	added as
	not more than			a thickeni ng agent
Rice and wheat flour	g,	5	_	the same
	not more than			

Indices	Permissible levels,	Notes		
	mg/kg, not more than			
Toxic elements:				
Lead	0.4			
Arsenic	0.2			
Cadmium Mercury	0.04 0.05			
stannum	100	for canned food in		
		assembled tin		
		containers		
Mycotoxins	according to Clause	2		
	3.1.4.3			
Pesticides <**>:				
hexachlorocyclohexane (alpha-,	0.02			
beta-, gamma isomers)				
DDT and its metabolites	0.01			
Polychlorinated biphenyls	0.2			
Histamine	40	tuna, mackerel,		
		salmon, herring		
No. 41 of Chief State Sanitary Nitrates	Inspector of the RF of 150	lated 15.04.2003) for canned food containing		
		vegetables		
Nitrosamines	not allowed	< 0.001		
Radionuclides:				
caesium-137	100	Bq/kg		
Strontium-90	60	the same		
Microbiological indicators Shall satisfy requirements for industrial sterility for canned food of group "A" in accordance with Annex 8 to these Sanitary Rules				
Dioxins	not allowed			
(introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)				
Antibiotics <*> (for pond fish and fish of cage culture fishery):				
tetracycline group 0.01				
(as amended by Amendments No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011)				

1) Nutritional value (in 100 g of the product)

Criteria and indices	Measuremen t Units	Permissible levels		Notes
	C ONLES	standard	marked	-
Hydrocarbons	g	85 - 96	+	
Energy value	kcal	340 - 385	+	

2) Safety indices (in a ready-to-eat product)

Indices	Permissible levels, mg/kg, not more than	
1	2	3
Toxic elements:		
lead	0.02	
(as amended by Amendments and A No. 71 of Chief State Sanitary		
arsenic	0.05	
cadmium	0.02	
mercury	0.005	
Pesticides <**>:		
hexachlorocyclohexane (alpha-, beta-, gamma isomers)	0.02	
DDT and its metabolites	0.01	
Radionuclides:		
caesium-137	40	Bq/l
Strontium-90	25	the same
Microbiological indicators:		
QMAFAnM,	5 x 1E3	CFU/g, not mor than
Coliform bacteria (coliforms)	1.0	mass (g) in whic the indicator i not allowed
B. cereus	100	CFU/g, not mor than
Pathogenic, including	25	the same
salmonella		
Moulds,	50	CFU/g, not mom than
Yeast	50	the same

<*> It is also required to control residual quantities of the antibiotics used for production of food raw material (see Clause 3.15).

(the note was amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

<*> It is also required to control the residual quantities of the pesticides used for production of food raw material (see Clauses 3.12, 3.13).

3.2. Food Products for Children of Pre-School and School Age

3.2.1.1. Meat Canned Food (including from Poultry)

1) Nutritional value (in 100 g of the product)

(as amended by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

	1			
Criteria and indices	Measu	remen	Permissible levels	Note
	t Units			
	C OIL	63		
Protein	g,		12	
	not	less		
	than	1000		
	-		1.0	
Fat	g,		18	
	not	more		
		more		
	than			
Sodium chloride	g,		1.2	
	not	more		
	than	more		
	-			
	g,		3.0	
Starch or	not	more		
rice and (or) wheat		more		
	than			
flour	g,		5.0	
	l .			
	not	more		
	than			

Indices	Permissible levels,	Notes
	mg/kg, not more than	
1	2	3
Toxic elements:		
lead	0.3	
arsenic	0.1	
cadmium	0.03	
mercury	0.02	
stannum	100	for canned food in
		assembled tin
		containers
Antibiotics <*>:		
laevomycetin (chloramphenicol)	0.01	Expiring on
		01.01.2012.
	0.0003	Shall become
		effective since
		01.01.2012.
tetracycline group	0.01	
bacitracin	0.02	
(as amended by Amendments No.	24, approved by Res	solution No. 79 of
Chief State Sanitary Inspector of		
Pesticides <**>:		
hexachlorocyclohexane (alpha-,	0.02	
beta-, gamma isomers)		
, yanna 100m010,		
DDT and its metabolites	0.01	
Nitrites	not allowed	< 0,5

Nitrosamines: sum of N-Nitrosodimethylamine	not allowed	0.001	
and N-Nitrosodiethylamine			
Radionuclides:			
caesium-137	40	Bq/kg	
Strontium-90	25	the same	
(as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)			
Microbiological indicators	Shall satisfy requirements for industrial sterility for canned food of group "A" in accordance with Annex 8 to these Sanitary Rules		
Dioxins	not allowed		
(introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)			

3.2.1.2. Sausage products

Criteria and indices	Measuremen t Units		Permissible levels		Notes
			standard	marked	
Protein	g,		12	+	
Fat	not than g,	less	22	+	
	not than	more			
Energy value	kcal		230 - 250	+	
Sodium chloride	g,		1.8	+	
Starch	not than g ,	more	5	_	
	not than	more			
(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)					

Indices	Permissible levels,	Notes
	mg/kg, not more than	
1	2	3
Toxic elements:		
Lead	0.3	
Arsenic	0.1	
Cadmium Mercury	0.03	
Antibiotics <*>	according to Clause	
AITCIDIOLIUS	3.2.1.1	
Pesticides <**>:		
hexachlorocyclohexane (alpha-, beta-, gamma isomers)	0.02	
DDT and its metabolites	0.01	
Nitrites	30	
Nitrosamines:		
Sum of N-Nitrosodimethylamine	0.002	
and N-Nitrosodiethylamine Radionuclides	according to Clause	
Microbiological indicators:	3.2.1.1	
meroprorogrear marcacors.		
QMAFAnM,	1 x 1E3	CFU/g, not mor
Coliform bacteria (coliforms)	1.0	than mass (g) in whic the indicator i
E. coli	1.0	not allowed the same fo products with th shelf life of mor
S. aureus	1.0	than 5 days mass (g) in whic the indicator i not allowed
Sulfite-reducing clostridia	0.1	the same
	25	the same
Pathogenic, including salmonella <*>		<*> for sausage
	100	<pre><*> for sausage rolls and frankfurters additionally L. monocytogenes CFU/g, not mor than, for product with the shel life of more tha 5 days</pre>
salmonella <*>	100	rolls and frankfurters additionally L. monocytogenes CFU/g, not mor than, for product with the shel life of more tha

3.2.1.3. Meat Semi-Manufactured Products

1) Nutritional value (in 100 g of the product)

Criteria and indices	Measuremen t Units	Permissible levels		Notes
		standard	marked	
Protein	a,	10	+	
Fat	not less than g,	20	+	
	not more than			
Energy value	kcal	165 - 220	+	
Sodium chloride	a,	0.9	+	
	not more than			
(as amended by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)				

2) Safety indices

Indices	Permissible levels, mg/kg, not more than	Notes
1	2	3
Toxic elements, antibiotics, pesticides, radionuclides, nitrites, nitrosamines	according to Clause 3.2.1.1	
Microbiological indicators:		
QMAFAnM,	5 x 1E5	CFU/g, not more than, raw chopped
	1 x 1E5	CFU/g, not more than, natural raw
Coliform bacteria (coliforms)	0.001	mass (g) in which the indicator is not allowed
S. aureus	0.1	the same
Pathogenic, including salmonella and L. monocytogenes	25	the same
Moulds	250	CFU/g not more than, for semi- manufactured products with
		coating with
Dioxins	not allowed	
(introduced by Amendments and A No. 43 of Chief State Sanitary		-

3.2.1.4. Pates and Culinary Products

1) Nutritional value (in 100 g of the product)

Criteria and indices	Measuremen t Units	Permissib	le levels	Notes
		standard	marked	
Protein	g,	8	+	
Fat	not less than g	16	+	
	not more than kcal	140 - 180	+	
Energy value	ксат	140 - 180	+	
Sodium chloride	g,	1.2	+	
fety indices	not more than			

Indices	Permissible levels, mg/kg, not more than	Notes
Toxic elements, antibiotics, pesticides, nitrosamines, nitrites, radionuclides	according to Clause 3.2.1.1	
(as amended by Amendments and A No. 43 of Chief State Sanitary 3		—
Microbiological indicators:		
QMAFAnM,	1 x 1E3	CFU/g, not more than
Coliform bacteria (coliforms)	1.0	mass (g) in which the indicator is
E. coli	1.0	not allowed the same for products with the shelf life of more
S. aureus	1.0	than 72 hours mass (g) in which the indicator is not allowed
Sulfite-reducing clostridia	0.1	the same
Pathogenic, including salmonella and	25	the same
L. monocytogenes Yeast	100	CFU/g, not more than, for products with the shelf life of more than 72 hours
Moulds	100	the same
Dioxins	not allowed	
(introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)		

3.2.2. Bakery, Flour Confectionery and Flour-Cereal Products (as amended by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

Criteria and indices	Measuremen t Units	Permissible levels		Notes
		standard	marked	
1	2	3	4	5
PASTA		I		
Proteins	g	10 - 13	+	
Fats	the same	1 - 3	+	
Hydrocarbons	the same	60 - 70	+	
Energy value	kcal	300 - 360	+	
Iron	mg	1.0 - 2.0	+	for enriched products
Vitamins:				
thiamine (B1)	mg	0.15 - 0.25	+	for vitaminiz ed products
riboflavin (B2)	the same	0.1 - 0.15	+	the same
niacin (PP)	the same	1.0 - 3.0	+	the same
BAKERY PRODUCTS Proteins	g	8.0 - 13.0	+	
Fats	the same	1.0 - 8.0	+	
Hydrocarbons	the same	45 - 55	+	
Energy value	kcal	210 - 340	+	
Iron	mg	1.8 - 3.0	+	for enriched products
Vitamins:				
thiamine (B1)	mg	0.15 - 0.40	+	for vitaminiz ed products
riboflavin (B2)	the same	0.1 - 0.5	+	the same
niacin (PP)	the same	1.5 - 3.0	+	the same
FLOUR CONFECTIONERY PRO (introduced by Amendmen No. 43 of Chief State S Fats	nts and Addi	ector of the 25		
(introduced by Amendmer No. 43 of Chief State S				

				1
Trans-isomers	% from	7		
	the total			
	fat, not			
	more than			
(introduced by Amendment	s and Addit	tions No. 10,	approved by	Resolution
No. 43 of Chief State Sa	nitary Insp	ector of the	RF dated 16.0	7.2008)
	1			1
Added sugar	g,	25	+	for
	not more			biscuits
	than			
	Cilali	38	+	C
		50	I	for
				products
				from
				biscuitin
				e semi-
				manufactu
				red
	1			products
(introduced by Amendment				
No. 43 of Chief State Sa	nitary Insp	ector of the	RF dated 16.0	7.2008)
afety indices				

Indices	Permissible levels,	Notes
	mg/kg, not more than	
1	2	3
Toxic elements:		
lead	0.5	flour - cereal
		products
	0.35	bakery and flour
		confectionery
		products
arsenic	0.2	flour - cereal
		products
	0.15	bakery and flour
		confectionery
cadmium	0.1	products
	0.1	flour - cereal products
	0.07	bakery and flour
		confectionery
		products
mercury	0.03	flour - cereal
		products
	0.015	bakery and flour
		confectionery
		products
(as amended by Amendments and A		
No. 43 of Chief State Sanitary	Inspector of the RF d	ated 16.07.2008)
Mycotoxins:		
Aflatoxin Bl	not allowed	< 0,00015
Dezoxynivalenol	not allowed	< 0,05 from
		wheat, barley
Zearalenone	not allowed	< 0,005 from
		wheat, barley,
		maize
T-2 toxin ochratoxin A	not allowed not allowed	< 0,05
	not allowed	< 0.0005 for all types
(introduced by Amendments and A	dditions No. 10, appr	
	,	<u> </u>

No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)

Pesticides <**>:		
Hexachlorocyclohexane (alpha-, beta-, gamma isomers)	0.01	
DDT and its metabolites	0.01	
Benz(a)pyrene	not allowed	< 0,0002
Radionuclides:		
caesium-137	40	Bq/kg
Strontium-90	25	the same

(as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)

Harmful contaminants: Pest contamination and infestation of grain (insects, mites)	not allowed	
Microbiological indicators:	according to Clause 1.4.5	flour and cereal products
	according to Clause 1.4.7	bakery products
	according to Clause 1.5.5	flour confectionery products
(as amended by Amendments and A No. 43 of Chief State Sanitary :		-

⁻⁻⁻⁻⁻

<*> If grizin, bacitracin, antibiotics of tetracycline group, penicillin, streptomycin are determined with the use of chemical methods of determination, re-calculation of their actual content in unit/g shall be carried out according to the standard activity.

<*> It is also required to control residual quantities of the pesticides used for production of food raw material (see Clauses 3.12, 3.13).

3.2.3. Products from Fish, Invertebrates and Algae

(introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

3.2.3.1. Semi-manufactured Products from Fish, Invertebrates and Algae1) Nutritional value (in 100 g of the product)

Criteria and indices	Measurement	Permissible levels	
	Units	standard	marked
Protein	g,	16	+
	not less than		
Fat	g	1 - 11	+
Energy value	kcal	70 - 160	+

Indices	Permissible levels, mg/kg, not more than	
Toxic elements:	1	•
lead	0.5	
arsenic	0.5	
cadmium	0.1	
mercury	0.15	
Phycotoxins:		
paralytic toxin of molluscs (saxitoxin)	not allowed	molluscs
amnesic toxin of molluscs (domoic acid)	not allowed	molluscs
amnesic toxin of molluscs (domoic acid)	not allowed	internal organs of crabs
diarrheal toxin of molluscs (okadaic acid)	not allowed	molluscs
Pesticides <**>:		
hexachlorocyclohexane (alpha-, beta-, gamma isomers)	0.02	
DDT and its metabolites	0.01	
Nitrosamines:		
sum of N-Nitrosodimethylamine and N-Nitrosodiethylamine	not allowed	
histamine	100	tuna, mackerel, salmon, herring
Polychlorinated biphenyls	0.5	

Dioxins	not allowed	fish semi- manufactured products
Radionuclides:		
caesium-137	100	Bq/kg
Strontium-90	60	the same
Microbiological indicators:	I	
QMAFAnM,	4 5 x 10	CFU/g, not more than
Coliform bacteria (coliforms)	0.01	<pre>mass of the product (g) in which the indicator is not allowed</pre>
S.aureus	0.01	the same
Pathogenic, including salmonella and L.monocytogenes	25	the same
Sulfite-reducing clostridia	0.01	mass of the product (g), in which the indicator is not allowed (for vacuum-packed products)
V.parahaemolyticus	100	CFU/g, not more than, (for sea fish)
Antibiotics <*>: for pond fish a	I and fish of cage cult	ure fishery
tetracycline group	0.01	
(as amended by Amendments No. Chief State Sanitary Inspector o		

3.2.3.2. Culinary Products from Fish, Invertebrates and Algae1) Nutritional value (in 100 g of the product)

Criteria and indices	Measurement Units	Permissible levels	
Protein	g, not less than	13	
Fat	g, not more than	8	
Energy value	kcal	90 - 130	
Sodium chloride	%, not more than	0.8	
Starch	g, not more than	5	

Indices	ndices Permissible levels, mg/kg, not more than	
Toxic elements:		I
lead	0.5	
arsenic	0.5	
cadmium	0.1	
mercury	0.15	
Phycotoxins:		
paralytic toxin of molluscs (saxitoxin)	raw material control	molluscs
amnesic toxin of molluscs (domoic acid)	raw material control	molluscs
amnesic toxin of molluscs (domoic acid)	raw material control	internal organs of crabs
diarrheal toxin of molluscs (okadaic acid)	raw material control	molluscs
Mycotoxins: raw material control		I
aflatoxin B1	not allowed	for cereal, flour
aflatoxin M1	not allowed	for products with milk component
dezoxynivalenol	not allowed	for cereal, flour
zearalenone	not allowed	for cereal, flour
T-2 toxin	not allowed	for cereal, flour
ochratoxin A	not allowed	< 0.0005 for wheat, rye, barley, oat and rice flour
Antibiotics <*>:		
Laevomycetin (chloramphenicol)	0.01	Expiring on 01.01.2012 (for products with milk component).
	0.0003	Shall become effective since 01.01.2012 (for products with milk component).
of tetracycline group	0.01	(for pond fish and fish of cage culture fishery, for products with milk, egg component)
penicillins	0.004	(for products with milk component
streptomycin	0.2	(for products with milk component
bacitracin	0.02	(for products with egg component)

(as amended by Amendments No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011)

Pesticides <**>:		
hexachlorocyclohexane (alpha-, beta-, gamma isomers)	0.02	
DDT and its metabolites	0.01	
hexachlorobenzene	0.01	raw material control for cereal, flour
mercury organic pesticides	not allowed	raw material control for cereal, flour
2, 4-D acid, its salts and esters	not allowed	raw material control for cereal, flour
Benz(a)pyrene	not allowed	
Histamine	100	tuna, mackerel, salmon, herring
Nitrates	150	for products containing vegetables
N-nitrosamines: sum of N-Nitrosodimethylamine and N- Nitrosodiethylamine	not allowed	
Polychlorinated biphenyls	0.5	
Radionuclides:		
caesium-137	100	
strontium-90	60	
Dioxins	not allowed	fish culinary products
Microbiological indicators:	according to Clauses 1.3.3.9, 1.3.3.10, 1.3.3.11	

⁻⁻⁻⁻⁻

Note:

(the note was amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

<*> It is also required to control residual quantities of the pesticides used for production of food raw material.

<*> It is also required to control residual quantities of the antibiotics used for production of food raw material (see Clause 3.15).

3.2.4. Milk and Milk Products

(introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

3.2.4.1. Milk; Cream; Fermented Milk Products, including Yoghurts, Milk-Based Drinks

1) Nutritional value (in 100 g of a ready-to-eat product)

Criteria and indices	Measurement Units	Permissible levels	Note
Protein			
	g	2.0 - 5.0	- milk, fermented milk
			products
	g,	2.7	- cream
	not less than		
Fat			
	g	1.5 - 4.0	- milk,
			fermented milk
			products
	the same	10 - 20	- cream
Hydrocarbons,	g	16.0	
including sugar	g,	10	
	not more than		

2) Safety indices (in ready -to-eat product)

Indices	Permissible levels, mg/kg, not more than	Note		
1	2	3		
Indications of oxidative det	cerioration:	I		
peroxide value	4.0	mmol of active oxygen/kg of fat		
Toxic elements:		I		
lead	0.02			
arsenic	0.05			
cadmium	0.02			
mercury	0.005			
Antibiotics <*>:				
laevomycetin (chloramphenicol)	0.01	Expiring on 01.01.2012.		
	0.0003	Shall become effective since 01.01.2012.		
tetracycline group	0.01			
penicillins	0.004			
Streptomycin	0.2			
(as amended by Amendments No of Chief State Sanitary Insp				
Pesticides <**>:				
hexachlorocyclohexane (alpha-, beta-, gamma isomers)	0.02 a			
DDT and its metabolites	0.01			
Dioxins	not allowed			
Radionuclides:	1	1		
caesium-137	40	Bq/l		
strontium-90	25	the same		
Melamine	not allowed	< 1 mg/kg		
(introduced by Amendments No of Chief State Sanitary Insp				

	Mic	robiolo	gical indicato	ors:	
Index, group of products	CFU/cm3(g), not	cm3) <u>indicat</u> Colifo rm	of products in which or is not allo pathogenic including salmonella	(g, the owed	Note
1	2	3	4		5
Pasteurized milk		1	I		
in in consumer packaging	5 1 x 10	0.01	25		S. aureus in 1 cm3 are not allowed L. monocytogenes in 25 cm3 are not allowed
Pasteurized cream	n:				
- in in consumer packaging	5 1 x 10	0.01	25		S. aureus in 1 cm3 are not allowed L. monocytogenes in 25 cm3 are not allowed
Baked milk	3 2.5 x 10	1.0	25		
Sterilized milk and cream	sterilize	d milk	and cream in a	a con	lustrial sterility for sumer packaging in 2.3.2.1078-01

	Mic	robiologic	al indi	cators:		
products	of lactic acid microorgan	in which not allowe Coliform bacteria	the ind ed S.	g (g, cm3) dicator is pathogeni c including salmonell a	Yeast and moulds, CFU/cm3(g), not more than	Note
1	2	3	4	5	6	7
Liquid fermented milk products, including yoghurt, with the shelf life of not more than 72 hours		0.01	1.0	25	-	
Liquid fermented milk products, including yoghurt, with the shelf life of more than 72 hours	not less than 7 1 x 10 <**>	0.1	1.0	25	yeast - 50 <*> moulds - 50	<pre><*> except for drinks produced with the use of starters containing yeast; <**> the norms are not established for heat- treated products</pre>
milk products, enriched with bifidobacteria,	1 x 10 ; bifidobact eria - not	0.1	1.0	25	50 <*>	<pre><*> except for drinks produced with the use of starters containing yeast</pre>
Boiled fermented milk (ryazhenka)	_	1.0	1.0	25	-	
Sour cream and products on its basis		0.001 <*>	1.0	25	yeast - 50 <**> moulds - 50 <**>	<pre><*> for heat- treated products - 0.01; <**> for products with the shelf life of more than 72 hours</pre>

3.2.4.2. Curds and Curd Products (including with Fruit or Vegetable Fillings).

Criteria and indices	Measuremen t Units	Permissible levels	Note
1	2	3	4
Protein	g	7 - 17	
Fat	the same	3.5 - 15	
Hydrocarbons,	g, not more than	12	
including sugar	g, not more than	10	
Energy value	kcal	105 - 250	
Acidity	O T,	150	
	not more than		

Indices	Permissible levels, mg/kg, not more than	Note
1	2	3
Indications of oxidative deter	loration:	
peroxide value	4.0	mmol of active oxygen/kg of fat, for products with fat content of more than 5 g/100 g and products enriched with vegetable oils
Toxic elements:		
lead	0.06	
arsenic	0.15	
cadmium	0.06	
mercury	0.015	
Antibiotics, mycotoxins and radionuclides, dioxins	according to Clause 3.2.4.1	
Pesticides <**>:		
hexachlorocyclohexane (alpha-, beta-, gamma isomers)	0.55	in terms of fat
DDT and its metabolites	0.33	the same

Microbiological indicators:					
Index, group of products	Mass of products (g), in which the indicator is not allowed			Yeast and moulds, CFU/g, not more	Note
	Coliform bacteria (coli forms)	S. aureus	pathogenic including salmonella	than	
1	2	3	4	5	6
Curds and curd products with the shelf life of not more than 72 hours		0.1	25		
Curds and curd products with the shelf life of not more than 72 hours		0.1	25	yeast - 100, moulds - 50	
Heat treated curd products	0.01	1.0	25	yeast and moulds - 50	

3.2.4.3. Cheese (Hard, Semi-Hard, Soft, Brine, Cheese Spread)

Criteria and indices		Permissible levels	Note
Cinteria and indices			NOLE
	Units		
1	2	3	4
Mass fraction of moisture	%,	60	
	not more than		
Mass fraction of fat in dry	the same	50	
substance			
Sodium chloride	g,	2	
	not more than		

Permissible levels,	Note					
<pre>mg/kg(l), not more</pre>						
than						
0.2						
0.15						
0.1						
0.03						
not allowed	< 0.0005					
0.01	Expiring on					
	01.01.2012.					
0.0003	Shall become					
	effective since					
	01.01.2012					
0.01						
0.004						
0.2						
24, approved by Res	solution No. 79 of					
of the RF dated 01.0	06.2011)					
	I					
0.6	in terms of fat					
0.2	the same					
not allowed						
40	Bq/kg					
25	the same					
	mg/kg(l), not more than 0.2 0.15 0.1 0.03 not allowed 0.01 0.0003 0.004 0.2 24, approved by Res of the RF dated 01.0 0.6 0.2 not allowed 40					

Microbiological Indicators:

Index, group of products	CFU/g , not more than	which the not allowed Coliform bacteria	pathogenic	
1	2	3	4	5
Cheese (hard, semi- hard, brine, soft)		0.001	25	S. aureus not more than 500 CFU/g L. monocytogenes in 25 g are not allowed
Cheese spread	·			
- without filling agents	3 5 x 10	0.1	25	moulds not more than 50 CFU/g, yeast not more than 50 CFU/g
- with filling agents	4 1 x 10	0.1	25	moulds not more than 100 CFU/g, yeast not more than 100 CFU/g

Note:

<*> It is also required to control residual quantities of the antibiotics used for production of food raw material (see Clause 3.15).

(the note was amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

<*> It is also required to control residual quantities of the pesticides used for production of food raw material.
3.2.5. Canned Fruit and Vegetables (Juices, Nectars, Drinks, Fruit Waters, Puree: Fruit and Milk, and Fruit and Cereal Puree; Combined Products)

(introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)

Criteria and indices	Measurement Units	Permissible levels	Note
1	2	3	4
Mass fraction of dry substances	g	5 - 20	with no consideration of included chlorides and sugar for vegetable juices
	g, not less than	4	for tomato juice
Total acidity	%, not more than	1.3	
Hydrocarbons	g	4 - 25	
including added sugars	g, not more than	10	for nectars and drinks
	g, not more than	12	for fruit waters
Mass fraction of ethanol	%, not more than	0.2	for fruit juices
Sodium chloride	g, not more than	0.6	for vegetable juices
Vitamins:			
ascorbic acid (C)	mg, not more than	75.0	
	mg, not less than	25	at the end of the shelf life

1) Nutritional value (in 100 g of the product)

Indices	Permissible levels, mg/kg, not more than	Note
Toxic elements:		
lead	0.3	
arsenic	0.2	
cadmium	0.02	
mercury	0.01	
Mycotoxins:		
patuline	not allowed	< 0.02, for products containing apples, tomatoes, sea-buckthorn
Pesticides <**>:		•
hexachlorocyclohexane (alpha-, beta-, gamma isomers)	0.01	
DDT and its metabolites	0.005	
Nitrates	50	on fruit basis
	200	on vegetable, and fruit and vegetable basis, also for products containing bananas
5-Oxymethylfurfurol	20	for fruit juices and nectars
	10	for orange and grapefruit juices and nectars
Radionuclides:		
caesium-137	60	Bq/kg
strontium-90	25	the same
Microbiological indicators		ents for industrial sterility for canned groups (Annex 8 to SanPin 2.3.2.1078-

2) Safety Indices

Note:

<*> It is also required to control residual quantities of the pesticides used for production of food raw material.

3.3. Specialized Therapeutic Children Products

3.3.1 Low-Lactose and Non-Lactose Products

1) Nutritional value (in a ready-to-eat product)

Criteria and indices	Measuremen	Permissib	le levels	Notes
	t Units	standard	marked	
1	2	3	4	5
LOW-LACTOSE AND NON-LA		-	-	OLD
YEAR				
Protein	g/l	14 - 20	+	
Taurin	mg/l	40 - 55	+	
L-carnitine	the same	10 - 15		
Fat	g/l	30 - 38	+	
Linoleic acid	% from the	14	+	
	sum of			
	fatty			
	acids, not			
	less than			
the same	mg/l,	4000	+	
	not less			
	than			
Hydrocarbons	g/l	65 - 80	+	
Dextrin - maltose	the same	50 - 60	+	
Lactose	g/l, not		+	in low-lactose
	more than			products
	the same	0.1		in non-
Energy value	kcal/l	570 - 720	+	lactose
	,			products
Mineral substances:				produces
calcium	mg/l	300 - 700	+	
phosphorus	the same	300 - 500	+	
potassium	the same	500 - 800	+	
sodium	the same	150 - 300	+	
magnesium	the same	40 - 60	+	
copper	the same	0.3 - 1.0	+	
manganese	the same	20 - 100	+	
iron	mg/l	3 - 14	+	
zinc	the same	4 - 10	+	
chlorides	the same	400 - 800	+	
iodine	mkg/l	50 - 100		
ash	g/l	3 - 5	+	
Vitamins:				
retinol (A)	mkg-eq/l	500 - 800	+	
tocopherol (E)	mg/l	4 - 12	+	
calciferol (D)	mkg/l	8 - 12	+	
vitamin K	the same	25 - 50	-	
thiamine (B1)	the same	350 - 700	+	
riboflavin (B2)	the same	500 - 1000	+	

pyridoxin (B6) panthotenic acid folic acid (Bc) cyanocobalamin (B12) niacin (PP) ascorbic acid (C) biotin carnitine inosite	the same the same mkg/l mg/l mg/l mkg/l mg/l mg/l	300 - 700 $2500 - 3500$ $50 - 100$ $1.5 - 3.0$ $3 - 8$ $40 - 100$ $10 - 20$ $10 - 20$ $20 - 30$	+ +	
choline	the same	50 - 100	-	
(as amended by Amen Resolution No. 41 of C 15.04.2003)			No. 2, app pector of the	
Osmolality LOW-LACTOSE MILK	mOcm/kg, not more than	300	+	
Protein Casein/ whey proteins	g/l -	40 - 47 80 : 20	+ -	
Fat	g/l	20 - 38	+	
Linoleic acid	% from the sum of fatty acids	15	+	
the same	mg/l	5000 - 6000	-	
Hydrocarbons Glucose	g/l the same	60 - 65 25 - 28	+ +	
Galactose Lactose	the same g/l, not more than		+	
Energy value	kcal/l	600 - 680	+	

Tradicas		
Indices	Permissible levels,	
	mg/kg, not more	
	than	
1	2	3
Indications of oxidative	4.0	mmol of active
deterioration:		oxygen/kg of
peroxide value		fat
peroniae varae		140
Toxic elements:		
Lead	0.05	
Arsenic	0.05	
Cadmium	0.02	
mercury	0.005	
Mycotoxins: aflatoxin M1	not allowed	< 0.00002
Mycocoxins. allacoxin Mi	not arrowed	
Antibiotics <*>:		
laevomycetin	0.01	Expiring on
(chloramphenicol)		01.01.2012.
	0.0003	Shall become
		effective since
		01.01.2012.
1	I	01.01.2012.

totucoucline enoug	0.01	
tetracycline group		
penicillins	0.004	
Streptomycin	0.2	
(as amended by Amendments No.		
Chief State Sanitary Inspector	of the RF dated 01.	06.2011)
Pesticides <**>:	0.02 0.01	the same
hexachlorocyclohexane (alpha-		
, beta-, gamma isomers)		
DDT and its metabolites		
Radionuclides:	40	Bq/l
cesium-137	25	the same
strontium-90		
Microbiological indicators:		for dry products
QMAFAnM,		
£,	2.5 x 1E4	CFU/q, not more
		than
Coliform bacteria (coliforms)	1.0	mass (q) in which
	1.0	the indicator is
		not allowed
S.aureus	1.0	the same
B.cereus	200	CFU/q, not more
D.Cereus	200	than
Pathogenic, including	100	mass (g) in which
salmonella and L.	100	the indicator is
monocytogenes		not allowed
monocycogenes		not allowed
Moulds	100	CEU/a not marca
MOULUS	TOO	CFU/g, not more than
Veeet	E O	
Yeast	50	the same
	not allowed	
(introduced by Amendments a		10, approved by
Resolution No. 43 of Chief Sta	ate Sanitary Inspecto	or of the RF dated
16.07.2008)		
Melamine		1 mg/kg
(introduced by Amendments No.		
of Chief State Sanitary Inspec	tor of the RF dated	01.10.2008)

3.3.2. Products Based on the Soya Protein Isolate1) Nutritional value (in a ready-to-eat product)

Criteria and indices	Measuremen t Units	Permissik	ole levels	Notes
		standard	marked	1
1	2	3	4	5
Protein	g/l	15 - 20	+	
Methionine	the same	0.25 - 0.35	+	
Fat	g/l	30 - 38	+	
Linoleic acid	% from the sum of fatty acids,		+	
the same	not less than mg/l, not less	4000		
Hydrocarbons (dextrin -	than g/l	65 - 80	+	
maltose) Energy value	kcal/l	650 - 720	+	
Mineral substances:				
calcium	mg/l	450 - 750	+	
phosphorus	the same	250 - 500	+	
potassium	mg/l	500 - 800	+	
sodium	the same	200 - 320	+	
magnesium copper	the same the same	40 - 80 0.4 - 1.0	++++++	
iron	mg/l	6 - 14	+	
zinc ash	the same q/l	4 - 10 3 - 5	+ +	
Vitamins:				
retinol (A)	mkg-eq/l	500 - 800	+	
tocopherol (E)	mg/l	5 - 15	+	
calciferol (D)	mkg/l	8 - 12	+	
vitamin K thiamine (B1)	the same the same	25 - 100 300 - 600	_ _	
riboflavin (B2)	the same	600 - 1000	+	
pyridoxin (B6)	the same	300 - 700	+	
folic acid (Bc)	mkg/l	60 - 150	+	
(as amended by Amendme Resolution No. 71 of C 28.06.2010)	hief State			-
cyanocobalamin (B12)	mkg/l	1.5 - 3	+	
niacin (PP)	mg/l	4 - 8 60 - 150	+	
ascorbic acid (as amended by Amendme Resolution No. 71 of C		litions No. 1		
28.06.2010) (C)	m ~ / 1			1
taurin L-carnitine	mg/l the same	45 - 55 10 - 20	+	
(as amended by Amendme Resolution No. 41 of C	nts and Add	litions No. 2		
15.04.2003)	IIIEI SLALE	Samicary INS	PCCLUI UI UIR	L NI UALE
Osmolality	mOcm/kg, not more	300	+	
	than	1	1	1

(as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)

Indices	Permissible levels,	Notes
11101000	mg/kg, not more	
	than	
1	2	3
Indications of oxidative	<u>L</u>	
deterioration:		
deterioration:		
peroxide value	4.0	mmol of active
		oxygen/kg of
		fat
Toxic elements:		
lead	0.02	
(as amended by Amendments		18. approved by
Resolution No. 71 of Chief Sta		
28.06.2010)	ice banicary inspects	
arsenic	0.05	I
cadmium	0.02	
mercury	0.005	
Mycotoxins:	not allowed	< 0.00015
aflatoxin Bl		
Pesticides <**>:		
hexachlorocyclohexane (alpha-	0.02	
, beta-, gamma isomers)	0.02	
DDT and its metabolites	0.01	
Radionuclides:	0.01	
Caesium - 137	40	Bq/l
Strontium-90	25	the same
(as amended by Amendments		
-	and Additions NO.	
Resolution No // of ('hiet Sta	ate Sanitary Inspecto	
Resolution No. 71 of Chief Sta	ate Sanitary Inspecto	
28.06.2010)	ate Sanitary Inspecto	or of the RF dated
28.06.2010) Microbiological indicators:		for dry products
28.06.2010)	ate Sanitary Inspecto 2 x 1E3	or of the RF dated for dry products CFU/g, not more
28.06.2010) Microbiological indicators: QMAFAnM,	2 x 1E3	or of the RF dated for dry products CFU/g, not more than
28.06.2010) Microbiological indicators:		for of the RF dated for dry products CFU/g, not more than mass (g) in which
28.06.2010) Microbiological indicators: QMAFAnM,	2 x 1E3	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms)	2 x 1E3 1.0	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed
28.06.2010) Microbiological indicators: QMAFAnM,	2 x 1E3	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms)	2 x 1E3 1.0	for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus	2 x 1E3 1.0 1.0	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms)	2 x 1E3 1.0	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus	2 x 1E3 1.0 1.0 100	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus Pathogenic, including	2 x 1E3 1.0 1.0	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than mass (g) in which
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus	2 x 1E3 1.0 1.0 100	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than mass (g) in which the indicator is
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus Pathogenic, including salmonella	2 x 1E3 1.0 1.0 100 100	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than mass (g) in which the indicator is not allowed
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus Pathogenic, including	2 x 1E3 1.0 1.0 100	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than mass (g) in which the indicator is not allowed CFU/g, not more
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus Pathogenic, including salmonella Moulds	2 x 1E3 1.0 1.0 100 100 50	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than mass (g) in which the indicator is not allowed CFU/g, not more than
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus Pathogenic, including salmonella Moulds Yeast	2 x 1E3 1.0 1.0 100 100 50 10	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than mass (g) in which the indicator is not allowed CFU/g, not more than the same
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus Pathogenic, including salmonella Moulds Yeast (as amended by Amendments	2 x 1E3 1.0 1.0 100 50 10 and Additions No.	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than mass (g) in which the indicator is not allowed CFU/g, not more than the same 2, approved by
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus Pathogenic, including salmonella Moulds Yeast (as amended by Amendments Resolution No. 41 of Chief Sta	2 x 1E3 1.0 1.0 100 50 10 and Additions No.	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than mass (g) in which the indicator is not allowed CFU/g, not more than the same 2, approved by
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus Pathogenic, including salmonella Moulds Yeast (as amended by Amendments Resolution No. 41 of Chief Sta 15.04.2003)	2 x 1E3 1.0 1.0 100 100 50 10 and Additions No. ate Sanitary Inspector	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than mass (g) in which the indicator is not allowed CFU/g, not more than the same 2, approved by pr of the RF dated
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus Pathogenic, including salmonella Moulds Yeast (as amended by Amendments Resolution No. 41 of Chief Sta 15.04.2003) Melamine	2 x 1E3 1.0 1.0 100 100 50 10 and Additions No. ate Sanitary Inspector	or of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than mass (g) in which the indicator is not allowed CFU/g, not more than the same 2, approved by or of the RF dated
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus Pathogenic, including salmonella Moulds Yeast (as amended by Amendments Resolution No. 41 of Chief Sta 15.04.2003) Melamine (introduced by Amendments No.	2 x 1E3 1.0 1.0 100 100 50 10 and Additions No. ate Sanitary Inspector hot allowed 11, approved by Re	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than mass (g) in which the indicator is not allowed CFU/g, not more than the same 2, approved by or of the RF dated < 1 mg/kg solution No. 56 of
28.06.2010) Microbiological indicators: QMAFAnM, Coliform bacteria (coliforms) S. aureus B. cereus Pathogenic, including salmonella Moulds Yeast (as amended by Amendments Resolution No. 41 of Chief Sta 15.04.2003) Melamine	2 x 1E3 1.0 1.0 100 100 50 10 and Additions No. ate Sanitary Inspector hot allowed 11, approved by Re	for of the RF dated for dry products CFU/g, not more than mass (g) in which the indicator is not allowed mass (g) in which the indicator is not allowed CFU/g, not more than mass (g) in which the indicator is not allowed CFU/g, not more than the same 2, approved by or of the RF dated < 1 mg/kg solution No. 56 of

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

1) Nutritional value (in 1000 g of a ready-to-eat product)

Criteria and indices	Measuremen t Units	Permissib	le levels	Notes
		standard	marked	
1	2	3	4	5
Protein (as amended by Amendme Resolution No. 41 of C 15.04.2003)				
Mineral substances: calcium potassium sodium magnesium iron ash (as amended by Amendme Resolution No. 41 of C 15.04.2003)				
Vitamins: Retinol (A) Tocopherol (E) Calciferol (D) Thiamine (B1) Riboflavin (B2)	mg-eq mg mg the same the same	0.18 3.3 12 1.6 3.6	+ + + +	
Pyridoxin (B2) Pyridoxin (B6) Niacin (PP) Ascorbic acid (C) (as amended by Amendme Resolution No. 41 Chief State Sanitary I	the same the same the same ents and Add	1.6 14 66 Hitions No. 2	+ + + , approved by	

Indices	Permissible levels,	Notes
	mg/kg, not more	
	than	
1	2	3
Indications of oxidative		
deterioration:		
Peroxide value	4.0	mmol of active
		oxygen/kg of
		fat
Toxic elements:	·	
Lead	0.02	
(as amended by Amendments	and Additions No.	18, approved by
Resolution No. 71 of Chief Sta	te Sanitary Inspecto	or of the RF dated
28.06.2010)		
Arsenic	0.05	
Cadmium	0.02	
Mercuric	0.005	
Mycotoxins:		
Aflatoxin M1	not allowed	< 0.00002

Antibiotics <*>:		
laevomycetin	0.01	Expiring on
(chloramphenicol)		01.01.2012.
	0.0003	Shall become
		effective since
		01.01.2012.
tetracycline group	0.01	
	0.004	
penicillins	0.004	
Streptomycin	0.2	
(as amended by Amendments No.	24 approved by	Pagalutian No. 70 of
Chief State Sanitary Inspector		
chiel State Sanitary inspector	or the Kr dated	01.00.2011)
Pesticides <**>:	0.02	
hexachlorocyclohexane (alpha-		
, beta-, gamma isomers)		
DDT and its metabolites	0.01	
Radionuclides:	subject to Clau	
(as amended by Amendments		
Resolution No. 41 of Chief Sta	ate Sanitary Insp	ector of the RF dated
15.04.2003)		
· · · · · · · · · · · · · · · · · · ·		
Microbiological indicators:		for dry product
Microbiological indicators:		for dry product
Microbiological indicators: QMAFAnM,	2.5 x 1E4	CFU/g, not more
QMAFAnM,		CFU/g, not more than
	2.5 x 1E4 0.3	CFU/g, not more than mass (g) in which
QMAFAnM,		CFU/g, not more than mass (g) in which
QMAFAnM,		CFU/g, not more than mass (g) in which the indicator is not allowed
QMAFAnM,		CFU/g, not more than mass (g) in which the indicator is
QMAFAnM, Coliform bacteria (coliforms)	0.3	CFU/g, not more than mass (g) in which the indicator is not allowed
QMAFAnM, Coliform bacteria (coliforms) S. aureus	0.3	CFU/g, not more than mass (g) in which the indicator is not allowed the same
QMAFAnM, Coliform bacteria (coliforms) S. aureus Pathogenic, including	0.3	CFU/g, not more than mass (g) in which the indicator is not allowed the same
QMAFAnM, Coliform bacteria (coliforms) S. aureus Pathogenic, including salmonella and L.	0.3	CFU/g, not more than mass (g) in which the indicator is not allowed the same the same
QMAFAnM, Coliform bacteria (coliforms) S. aureus Pathogenic, including salmonella and L. monocytogenes	0.3 1.0 50	CFU/g, not more than mass (g) in which the indicator is not allowed the same the same
QMAFAnM, Coliform bacteria (coliforms) S. aureus Pathogenic, including salmonella and L. monocytogenes	0.3 1.0 50	CFU/g, not more than mass (g) in which the indicator is not allowed the same the same CFU/g, not more
QMAFAnM, Coliform bacteria (coliforms) S. aureus Pathogenic, including salmonella and L. monocytogenes Moulds	0.3 1.0 50 100	CFU/g, not more than mass (g) in which the indicator is not allowed the same the same CFU/g, not more than
QMAFAnM, Coliform bacteria (coliforms) S. aureus Pathogenic, including salmonella and L. monocytogenes Moulds Yeast	0.3 1.0 50 100 50 not allowed	CFU/g, not more than mass (g) in which the indicator is not allowed the same the same CFU/g, not more than the same
QMAFAnM, Coliform bacteria (coliforms) S. aureus Pathogenic, including salmonella and L. monocytogenes Moulds Yeast dioxins (introduced by Amendments a	0.3 1.0 50 100 50 not allowed and Additions N	CFU/g, not more than mass (g) in which the indicator is not allowed the same the same CFU/g, not more than the same o. 10, approved by
QMAFAnM, Coliform bacteria (coliforms) S. aureus Pathogenic, including salmonella and L. monocytogenes Moulds Yeast dioxins (introduced by Amendments a	0.3 1.0 50 100 50 not allowed and Additions N	CFU/g, not more than mass (g) in which the indicator is not allowed the same the same CFU/g, not more than the same o. 10, approved by
QMAFAnM, Coliform bacteria (coliforms) S. aureus Pathogenic, including salmonella and L. monocytogenes Moulds Yeast dioxins (introduced by Amendments a Resolution No. 43 of Chief Sta	0.3 1.0 50 100 50 not allowed and Additions N	CFU/g, not more than mass (g) in which the indicator is not allowed the same the same CFU/g, not more than the same o. 10, approved by
QMAFAnM, Coliform bacteria (coliforms) S. aureus Pathogenic, including salmonella and L. monocytogenes Moulds Yeast dioxins (introduced by Amendments a Resolution No. 43 of Chief Sta 16.07.2008)	0.3 1.0 50 100 50 not allowed and Additions N ate Sanitary Insp not allowed	CFU/g, not more than mass (g) in which the indicator is not allowed the same the same CFU/g, not more than the same o. 10, approved by ector of the RF dated
QMAFAnM, Coliform bacteria (coliforms) S. aureus Pathogenic, including salmonella and L. monocytogenes Moulds Yeast dioxins (introduced by Amendments a Resolution No. 43 of Chief Sta 16.07.2008) Melamine	0.3 1.0 50 100 50 not allowed and Additions N ate Sanitary Insp not allowed . 11, approved by	CFU/g, not more than mass (g) in which the indicator is not allowed the same the same CFU/g, not more than the same o. 10, approved by ector of the RF dated < 1 mg/kg Resolution No. 56 of

3.3.4. Low-Protein Products

(Starch, Cereal and Pasta)

1) Nutritional value (in 100 g of the product)

	Measuremen t Units	Permissik	ole levels	Notes
		standard	marked	
1	2	3	4	5
STARCH		<u> </u>	1	
Protein	g,	1.0	+	
	not more than			
Hydrocarbons	g	75 - 85	+	
Energy value	kcal	300 - 350	+	
CEREAL				
Protein	g,	1.0	+	
	not more than			
Fat	g	0.5 - 1.0	+	
Hydrocarbons	the same	80 - 90	+	
Energy value	kcal	350 - 400	+	
(as amended by Amer Resolution No. 41 of (15.04.2003)				oproved by
53.073			-	e RF dated
PASTA			-	e RF dated
PASTA Protein	g,	1.0	+	ne RF dated
	g, not more than			e RF dated
	not more			e RF dated
Protein	not more than		+	e RF dated
Protein Fat	not more than the same	1.0	+ +	e RF dated
Protein Fat Hydrocarbons	not more than the same g kcal ndments and	1.0 80 - 90 330 - 380 Additions	+ + + + No. 2, ap	oproved by
Protein Fat Hydrocarbons Energy value (as amended by Amen Resolution No. 41 of 0	not more than the same g kcal ndments and Chief State	1.0 80 - 90 330 - 380 Additions	+ + + + No. 2, ap	oproved by
Protein Fat Hydrocarbons Energy value (as amended by Amer Resolution No. 41 of (15.04.2003)	not more than the same g kcal ndments and Chief State	1.0 80 - 90 330 - 380 Additions Sanitary Ins	+ + + + No. 2, ar pector of th	oproved by

2) Safety indices

Indices	Permissible levels,	Notes
	mg/kg, not more	
1	than 2	3
Toxic elements:	-	
lead	0.3	
arsenic	0.2	
cadmium	0.03	
mercury	0.03	
Mycotoxins:		
aflatoxin B1	not allowed	< 0.00015
zearalenone	not allowed	< 0.005 from
		wheat, maize,
		barley
T-2 toxin	not allowed	< 0.05
dezoxynivalenol	not allowed	< 0.05 from
		wheat, barley
ochratoxin A	not allowed	< 0.0005 from
		wheat, rye, barley, oat, rice
		Dalley, Oat, lice
(introduced by Amendments a Resolution No. 43 of Chief Sta 16.07.2008)		
Pesticides <**>:		
hexachlorocyclohexane (alpha-, beta-, gamma isomers)	0.01	
DDT and its metabolites	0.01	
Benz(a)pyrene	not allowed	< 0.2 mkg/kg
Radionuclides:		in a ready-to-eat product
caesium-137	40	Bq/kg
strontium-90	25	the same
(as amended by Amendments Resolution No. 71 of Chief Sta 28.06.2010)		
Harmful contaminants:		
nost contamination and	not allowed	
pest contamination and infestation of grain	not allowed	
(insects, mites) and metallic impurities	3 x 1E4	%, size of
, L		separate
		particles shall
		not exceed 0.3 mr
		in the largest
		linear
Microbiological indicators:		measurement
QMAFAnM,	3 x 1E3	CFU/g, not more
Zruit fillit,		than
Coliform bacteria (coliforms)	1.0	<pre>mass (g) in which the indicator is not allowed</pre>
S ourous	1 0	not allowed
S. aureus B. cereus	1.0 100	the same CFU/g, not more
001000	100	than
Pathogenic, including	50	mass (g) in which
salmonella		the indicator is
	F 0	not allowed
Moulds	50	CFU/g, not more
		than

3.3.5. Products Based on Full or Partial Protein Hydrolysate

Criteria and indices	Measuremen	Permissib		Notes
	t Units	standard	marked	
1	2	3	4	5
Protein (eq)	g/l	12 - 22	+	
(as amended by Amen	dments and	Additions	No. 18, app	proved by
Resolution No. 71 of C	hief State	Sanitary Insp	pector of the	e RF dated
28.06.2010)				
Taurin	mg/l	40 - 55	+	
L-carnitine	the same	10 - 25	+	
Fat	g/l	25 - 35	+	
Linoleic acid	% from the	14	+	
	sum of			
	fatty			
	acids, not			
	less than			
the same	mg/l, not	4000	-	
	less than			
Hydrocarbons	q/l	70 - 95	+	
Energy value	kcal/l	650 - 720	+	
(as amended by Amen		•	No. 2, apr	proved by
Resolution No. 41 of C				-
15.04.2003)				
Mineral substances	•ma/l	330 - 980	+	
calcium	•			
(as amended by Amen	I dments and	Additions	ו No 18 איס	I proved by
Resolution No. 71 of C				
28.06.2010)	iller state	Salittary ins	pector or the	e nr ualed
phosphorus	mg/l	150 - 600	+	I
(as amended by Amen				I hrough h
Resolution No. 71 of C	niel State	Sanitary ins	pector of the	e RF GaleC
28.06.2010) potassium	mg/l	400 - 1000	I .	I
(as amended by Amen				
Resolution No. 71 of C	hief State	Sanitary Ins	pector of the	e RF dated
28.06.2010)	/ ٦	1.50 2.50	I .	1
sodium		150 - 350		I , ,
(as amended by Amen				
Resolution No. 71 of C	hief State	Sanitary Ins	pector of the	e RF dated
28.06.2010)	L	50 - 100	I .	I
-				
copper	the same	0.3 - 1.0 6 - 14	+	
iron	mg/l	6 - 14 3 - 10	+ +	
zinc ash	the same	3 - 10 4 - 5		
	g/l	1	+	
(as amended by Amen				proved by
Resolution No. 41 of C	miel state	Samuary ins	pector of the	e kr dated
15.04.2003)				1
Vitamins:	$m \log \alpha \propto 1$	500 000		
retinol (A)	mkg-eq/l	500 - 800 6 - 14	+	
tocopherol (E)	mg/l mkg/l		+	
calciferol (D) thiaming (P1)	mkg/l	5 - 15	+	
thiamine (B1)	the same	400 - 600	+	
riboflavin (B2)	the same	600 - 1000 500 - 700		
pyridoxin (B6) folic acid (Bc)	the same the same	500 - 700 50 - 100	+ +	
folic acid (Bc) cyanocobalamin (B12)	the same mkg/l	1.5 - 3.0	+	
cyanocobalamin (B12)	2	1.5 - 3.0 3 - 8	+	
niacin (PP) ascorbic acid (C)	mg/l mg/l	5 - 8 50 - 150	+	
ASCOLDIC ACIA (C)	mg/l	30 - 130	+	
(as amended by Amendmen	I	tions No ?	approved by	I
Resolution No. 41 of Cl				RF dated
15.04.2003)	ILCL DUALE .	aurcary rusp	COLOT OF CHE	ni uuccu
Osmolality	mOcm/kg,	320	+	I
	not more			
	than			
1	12	I	I	1

1) (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)

Nutritional value (in a ready-to-eat product)

2) Safety Indices

Indices		Notoo
	Permissible levels, mg/kg, not more	
	than	
1	2	3
Indications of oxidative		
deterioration:		
peroxide value	4.0	mmol of octive
peroxide varue	4.0	mmol of active oxygen/kg of
		fat.
Toxic elements:		140
TOXIC ETEMENTS:		
lead	0.02	
(as amended by Amendments		18, approved by
Resolution No. 71 of Chief Sta 28.06.2010)	te Sanitary Inspecto	or of the RF dated
arsenic	0.05	
cadmium	0.02	
mercury	0.005	
Mycotoxins:		
aflatoxin M1	not allowed	< 0.00002
(as amended by Amendments	1	
Resolution No. 41 of Chief Sta		
15.04.2003)		
Pesticides <**>:		
hexachlorocyclohexane (alpha-,	0.02	
beta-, gamma isomers)	0.02	
DDT and its metabolites	0.01	the same
Radionuclides:		
caesium-137	40	Bq/l
strontium-90	25	the same
(as amended by Amendments		18, approved by
Resolution No. 71 of Chief Sta	te Sanitary Inspecto	or of the RF dated
28.06.2010)	1	
Microbiological indicators:		for dry product
QMAFAnM,	2 x 1E3	CFU/q, not more
VIATAIN,	Z X IEJ	CFU/g, not more than
Coliform bacteria (coliforms)	1.0	mass (g) in which
		the indicator is
		not allowed
S. aureus	1.0	the same
B. cereus	100	CFU/g, not more
		than
Pathogenic, including	100	mass (g) in which
salmonella		the indicator is
Maylda	FO	not allowed
Moulds	50	CFU/g, not more than
Yeast	10	the same

3.3.5.1. Products without Phenylalanyl or with Low-Phenylalanyl Content for Children up to 1 Year Old <***>

Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010 the line "Energy value" of part "1) Nutritional value (in a ready-to-eat product) of Clause 3.3.5.1 has been revised and amended.

Criteria and indices	Measuremen t Units	Permissik	ole levels	Notes
		standard	marked	
1	2	3	4	5
Protein (eq)	g/l	16 - 20	+	
(as amended by Amen Resolution No. 71 of C 28.06.2010)				proved l e RF date
Phenylalanyl	mg/l, not more than	500	+	in product based o aminoac ds mixture absence
Taurin	mg/l	40 - 55	+	
L-carnitine	the same	10 - 25	+	
Fat	g/l	30 - 38	+	
Linoleic acid	% from the	14	+	
the same	<pre>sum of fatty acids, not less than mg/l, not less than</pre>	5000	-	
Hydrocarbons (as amended by Amer	g/l dments and	65 - 80 Additions	+ No. 2, ap	proved 1
Resolution No. 41 of C				
	hief State	Sanitary Ins		
15.04.2003) Mineral substances:	nief State	Sanitary Ins		
15.04.2003) Mineral substances:			pector of th	
15.04.2003) Mineral substances: calcium	mg/l	300 - 700	pector of the	
15.04.2003) Mineral substances: calcium phosphorus	mg/l the same		pector of th	
15.04.2003) Mineral substances: calcium	mg/l	300 - 700 300 - 500	pector of th + +	
15.04.2003) Mineral substances: calcium phosphorus potassium	mg/l the same mg/l	300 - 700 300 - 500 500 - 800	pector of th + + +	
15.04.2003) Mineral substances: calcium phosphorus potassium sodium	mg/l the same mg/l the same	300 - 700 300 - 500 500 - 800 150 - 300	pector of th + + + +	
15.04.2003) Mineral substances: calcium phosphorus potassium sodium magnesium copper iron	mg/l the same mg/l the same the same the same mg/l	$300 - 700 \\ 300 - 500 \\ 500 - 800 \\ 150 - 300 \\ 40 - 60 \\ 0.3 - 1.0 \\ 3 - 14$	pector of th + + + + + + +	
15.04.2003) Mineral substances: calcium phosphorus potassium sodium magnesium copper iron zinc	mg/l the same mg/l the same the same the same mg/l the same	$300 - 700 \\ 300 - 500 \\ 500 - 800 \\ 150 - 300 \\ 40 - 60 \\ 0.3 - 1.0 \\ 3 - 14 \\ 4 - 10$	pector of th + + + + + + + + + + + +	
15.04.2003) Mineral substances: calcium phosphorus potassium sodium magnesium copper iron zinc Iodine	mg/l the same mg/l the same the same the same mg/l the same mkg/l	300 - 700 $300 - 500$ $500 - 800$ $150 - 300$ $40 - 60$ $0.3 - 1.0$ $3 - 14$ $4 - 10$ $50 - 120$	pector of th + + + + + + + + + + + + + +	e RF dat
15.04.2003) Mineral substances: calcium phosphorus potassium sodium magnesium copper iron zinc	mg/l the same mg/l the same the same mg/l the same mkg/l ments and	300 - 700 300 - 500 500 - 800 150 - 300 40 - 60 0.3 - 1.0 3 - 14 4 - 10 50 - 120 Additions	Pector of th + + + + + + + + + + + No. 18, ap	e RF dat
15.04.2003) Mineral substances: calcium phosphorus potassium sodium magnesium copper iron zinc Iodine (introduced by Amend Resolution No. 71 of C 28.06.2010) ash	mg/l the same mg/l the same the same mg/l the same mkg/l ments and	300 - 700 300 - 500 500 - 800 150 - 300 40 - 60 0.3 - 1.0 3 - 14 4 - 10 50 - 120 Additions	Pector of th + + + + + + + + + + + No. 18, ap	e RF dat
15.04.2003) Mineral substances: calcium phosphorus potassium sodium magnesium copper iron zinc Iodine (introduced by Amend Resolution No. 71 of C 28.06.2010)	mg/l the same mg/l the same the same mg/l the same mkg/l ments and chief State	300 - 700 300 - 500 500 - 800 150 - 300 40 - 60 0.3 - 1.0 3 - 14 4 - 10 50 - 120 Additions 1 Sanitary Ins	<pre>pector of th</pre>	e RF dat
15.04.2003) Mineral substances: calcium phosphorus potassium sodium magnesium copper iron zinc Iodine (introduced by Amend Resolution No. 71 of C 28.06.2010) ash Vitamins:	mg/l the same mg/l the same the same mg/l the same mkg/l ments and chief State g/l	300 - 700 300 - 500 500 - 800 150 - 300 40 - 60 0.3 - 1.0 3 - 14 4 - 10 50 - 120 Additions I Sanitary Ins 4 - 5	<pre>pector of th +</pre>	e RF dat
15.04.2003) Mineral substances: calcium phosphorus potassium sodium magnesium copper iron zinc Iodine (introduced by Amend Resolution No. 71 of C 28.06.2010) ash Vitamins: retinol (A)	mg/l the same mg/l the same the same mg/l the same mkg/l ments and chief State g/l	300 - 700 300 - 500 500 - 800 150 - 300 40 - 60 0.3 - 1.0 3 - 14 4 - 10 50 - 120 Additions I Sanitary Ins 4 - 5 500 - 800	pector of th + + + + + + + + + + No. 18, ap pector of th +	e RF dat
15.04.2003) Mineral substances: calcium phosphorus potassium sodium magnesium copper iron zinc Iodine (introduced by Amend Resolution No. 71 of C 28.06.2010) ash Vitamins: retinol (A) pyridoxin (B6)	mg/l the same mg/l the same the same mg/l the same mkg/l ments and chief State g/l mkg-eq/l the same the same	300 - 700 300 - 500 500 - 800 150 - 300 40 - 60 0.3 - 1.0 3 - 14 4 - 10 50 - 120 Additions I Sanitary Ins: 4 - 5 500 - 800 300 - 700	pector of the + + + + + + + + + + + No. 18, ap pector of the + +	e RF dat

ascorbic acid (C)	mg/l	20 - 100	+	
Osmolality	mOcm/kg,	320	+	
	not more			
	than			

Indices	Permissible levels,	Notes
	mg/kg, not more than	
1	2	3
Toxic elements:		
lead	0.02	
(as amended by Amendments	and Additions No.	18, approved by
Resolution No. 71 of Chief Sta	ate Sanitary Inspecto	or of the RF dated
28.06.2010)		
arsenic	0.05	
cadmium	0.02	
mercury	0.005	
Pesticides <**>:		
hexachlorocyclohexane (alpha-, beta-, gamma isomers)	0.02	
DDT and its metabolites	0.01	
Radionuclides:	according	
	to Clause	
	3.3.1	
Microbiological indicators:		for dry products
QMAFAnM Coliform bacteria	2 x 1E2 1.0	CFU/g, not more
(coliforms)		than,
		mass of product
		(g), in which the
		indicator is not
C. ourseus	1.0	allowed the same
S. aureus B. cereus	100	CFU/q, not more
b. Cereus	100	than
Pathogenic, including	100	mass (q) in which
salmonella		the indicator is
Salmonella		not allowed
Moulds	50	CFU/g, not more
		than
Yeast	10	the same
Indications of oxidative		
deterioration:		
(introduced by Amendments a	and Additions No.	10, approved by
Resolution No. 43 of Chief Sta 16.07.2008)		, 11 1
peroxide value	4.0	mmol of active
-		oxygen/kg of fat
		orygen/ ng OI Iac
(introduced by Amendments a	and Additions No.	10, approved by
Resolution No. 43 of Chief Sta	ate Sanitary Inspecto	or of the RF dated
16.07.2008)		

3.3.6.1. Milk Based Freeze-Dried Products (Curds, etc.)

1) Nutritional value (in 100 g of the product)

Criteria and indices	Measureme nt Units	Permissible levels		Notes
		standard	marked	
Protein	g	60 - 65	+	
Fat	the same	20 - 25	+	
Hydrocarbons	the same	9 - 11	+	
Energy value	kcal	330 - 380	+	
Vitamins:				
retinol (A)	mkg-eq	100	+	
riboflavin (B2)	the same	0.3	+	
(as amended by Amend	dments and	Additions	No. 2, ap	proved by
Resolution No. 41 of Ch 15.04.2003)	nief State	Sanitary Insp	pector of th	e RF dated
Acidity of	0	150	+	
reconstituted products	T, not			
	more than			

Indices	Permissible levels, mg/kg, not more than	
1	2	3
Toxic elements:		
lead arsenic cadmium mercury	0.15 0.15 0.06 0.015	
Mycotoxins:		
aflatoxin M1	not allowed	< 0.00002
Antibiotics <*>:	according to Clause 3.3.3	
Pesticides <**>:		
<pre>hexachlorocyclohexane (alpha- , beta-, gamma isomers)</pre>	0.05	
DDT and its metabolites	0.03	
Radionuclides:		
caesium-137	40	Bq/kg Specific activit for freeze-drie products shall b determined in reconstituted product
Strontium-90	25	the same
(as amended by Amendments Resolution No. 71 of Chief Sta 28.06.2010)		
Microbiological indicators:		for dry products
Coliform bacteria (coliforms)	0.3	mass (g), in

S.aureus Pathogenic, including salmonella Moulds	1.0 50 100	which the indicator is not allowed the same the same CFU/g, not more than		
Yeast	50	the same		
Indications of oxidative deterioration:				
(introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008)				
peroxide value	4.0	mmol of active oxygen/kg of fat		
(introduced by Amendments a Resolution No. 43 of Chief Sta 16.07.2008)				
dioxins	not allowed			
(introduced by Amendments a Resolution No. 43 of Chief Sta 16.07.2008)				

3.3.6.2. Meat Based Freeze-Dried Products

1) Nutritional value (in 100 g of the product)

<i>'</i>		• •			
	Criteria and indices	Measuremen t Units	Permissib	ole levels	Notes
			standard	marked	
	Protein	g	35 - 50	+	
	Fat	the same	15 - 30	+	
	Energy value	kcal	280 - 500	+	
	Ash	g	3.5 - 4.5	+	

Indices	Permissible levels	, Notes
	mg/kg, not mor	e
	than	
1	2	3
Toxic elements:		
Lead	0.2	
Arsenic	0.1	
Cadmium	0.03	
Mercury	0.02	
Antibiotics <*>:		
laevomycetin	0.01	Expiring on
(chloramphenicol)		01.01.2012.
	0.0003	Shall become
		effective since
		01.01.2012.
tetracycline group	0.01	

bacitracin	0.02	
(as amended by Amendments No.	24, approved by R	esolution No. 79 of
Chief State Sanitary Inspector	of the RF dated 01	.06.2011)
Pesticides <**>:		
hexachlorocyclohexane (alpha- , beta-, gamma isomers)	0.02	
DDT and its metabolites	0.01	
Radionuclides:		
caesium-137	40	Bq/kg Specific activity for freeze-dried products shall be determined in a reconstituted product
Strontium-90	25	the same
(as amended by Amendments a Resolution No. 71 of Chief Sta 28.06.2010)		tor of the RF dated
Microbiological indicators:		for dry products
FOR CHILDREN of UP TO 2 YEARS ()LD	
QMAFAnM,	1 x 1E4	CFU/g, not more
Coliform bacteria (coliforms)	1.0	than mass (g) in which the indicator is not allowed
S. aureus Sulfite-reducing clostridia	1.0 0.1	the same the same
B. cereus	100	CFU/g, not more than
Pathogenic, including salmonella	50	mass (g) in which the indicator is
Moulds	50	not allowed CFU/g, not more than
Yeast	50	the same
FOR CHILDREN OLDER THAN 2 YEARS	5 OLD	
QMAFAnM,	1.5 x 1E4	CFU/g, not more
Coliform bacteria (coliforms)	1.0	than mass (g) in which the indicator is not allowed
S. aureus Sulfite-reducing clostridia	1.0 0.1	the same the same
B. cereus	200	CFU/g, not more than
Pathogenic, including salmonella	50	mass (g) in which the indicator is
Moulds	100	not allowed CFU/g, not more
		than

dioxins	not allowed	
(introduced by Amendments a Resolution No. 43 of Chief Sta 16.07.2008)		

Safety indices

Indices	Permissible levels,	Notes
	mg/kg, not more than	
1	2	3
Toxic elements:		
lead arsenic	1.0	
cadmium	0.2	
mercury	0.03	
Pesticides <**>:		
hexachlorocyclohexane (alpha-, beta-, gamma isomers)	0.1	
DDT and its metabolites	0.1	
Heptachlor	not allowed	< 0.002
Aldrin	not allowed	< 0.002
Mycotoxins:		
patuline	not allowed	< 0.02, for products containing apples, tomatoes, sea-buckthorn
Radionuclides:		
caesium-137	40	Bq/kg Specific activity for freeze-dried products shall be determined in a reconstituted product
Strontium-90	25	the same
(as amended by Amendments Resolution No. 71 of Chief Sta 28.06.2010)		

3.3.7. Products for Premature Infants

Criteria and indices	Measuremen t Units	Permissible levels		Notes
		standard	marked	
1	2	3	4	5
Protein	g/l	18 - 24	+	
Milk whey proteins	% of total protein quantity	60	-	
Casein Taurine	the same mg/l	40 45 - 60	-+	

1) Nutritional value (in a ready-to-eat product)

Fat g/l 34 - 45 + (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) Linoleic acid % of the 14 - 20 sum of fatty acids (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) Hydrocarbons, includingmg/l 65 - 90+ lactose the same 35 - 50700 - 800 kcal/l Energy value 600 - 1200 substances:mg/l Mineral calcium (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) the same 400 - 700phosphorus 650 - 1000potassium the same 260 - 350 sodium the same the same 70 - 100 magnesium 0.4 - 1.4 copper the same 4.0 - 11.0 iron mg/l + (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) 5 - 12 zinc the same 450 - 700 chlorides the same +manganese mkg/l 30 - 300 + (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) 70 - 220 iodine the same Vitamins: retinol (A) mkg-eq/l 600 - 1200 + (as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003) tocopherol (E) mg/l 4 - 16 +(as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) 10 - 30 calciferol (D) mkg/l 30 - 100 the same vitamin K 400 - 2000 the same thiamine (B1) 600 - 2000 the same riboflavin (B2) mg/l 2 - 5 panthotenic acid mkg/l 400 - 2000 pyridoxin (B6) folic acid (Bc) the same 400 - 500 1.5 - 3 cyanocobalamin (B12) the same 4 - 10 mg/l niacin (PP) 50 - 300 the same ascorbic acid (C) + 30 - 50 the same inosite + mkg/l 15 - 50 + biotin (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) 50 - 150 choline mq/l + (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) 10 - 20 mg/l + L-carnitine

(introduced by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010)

Osmolality	mOcm/kg,	310	+	
	not more than			
(as amended by Amend		Additions	No. 18, aj	oproved by
Resolution No. 71 of CP 28.06.2010)	nief State	Sanitary Insp	pector of th	ne RF dated

Indices	Deservice site 1 and 1	Notos
indices	Permissible levels,	
	mg/kg, not more	
	than	-
1	2	3
Toxic elements:		
lead	0.02	
(as amended by Amendments	and Additions No.	18, approved by
Resolution No. 71 of Chief Sta	ate Sanitary Inspecto	or of the RF dated
28.06.2010)		
arsenic	0.05	
cadmium	0.02	
mercury	0.005	
Mycotoxins:	not allowed	< 0.00002
aflatoxin M1		
Antibiotics <*>:		
laevomycetin	0.01	Expiring on
(chloramphenicol)		01.01.2012.
(0.0003	Shall become
	0.0000	effective since
	0.01	01.01.2012.
tetracycline group	0.01	
penicillins	0.004	
Streptomycin	0.2	
(as amended by Amendments No.		
Chief State Sanitary Inspector	of the RF dated 01.	06.2011)
Pesticides <**>:		
hexachlorocyclohexane (alpha-	0.005	
, beta-, gamma isomers)		
DDT and its metabolites	0.005	
Radionuclides:		
caesium-137	40	Bq/kg
		Specific activity
		for freeze-dried
		products shall be
		determined in a
		reconstituted
		product
Strontium-90	25	the same
	-	
(as amended by Amendments		, 11 1
Resolution No. 71 of Chief Sta	ate Sanitary Inspecto	or of the RF dated
28.06.2010)		
Microbiological indicators:		for dry products
QMAFAnM,	2 x 1E3	
Zurr Allel	Z A IEJ	CFU/g, not more
		than;
		infant formulas
		reconstituted at
		37 - 50 degrees C
	3 x 1E3	CFU/g, not more
		than;
		infant formulas
		reconstituted at
		70 - 85 degrees C
I	1	

Coliform bacteria (coliforms)	1.0	mass (g) in which the indicator is not allowed
E. coli	10	the same
S. aureus	10	the same
B. cereus	100	CFU/g, not more
		than
Pathogenic, including	100	mass (g) in which
salmonella		the indicator is
Salmoneria		not allowed
Listeria monocytogenes	100	the same
Moulds	50	CFU/q, not more
		than
Yeast	10	the same
Indications of oxidative		
deterioration:		
(introduced by Amendments a	nd Additions No.	10, approved by
Resolution No. 43 of Chief Sta		
16.07.2008)	4 1	
peroxide value	4.0	mmol of active
		oxygen/kg of fat
(introduced by Amendments a	nd Additions No.	10 0
Resolution No. 43 of Chief Sta		
16.07.2008)		
dioxins	not allowed	on the milk and
		meat basis
(introduced by Amendments a	nd Additions No.	
Resolution No. 43 of Chief Sta		
16.07.2008)	4 1	
Melamine	not allowed	< 1 mg/kg (for
		milk based
		products)
(introduced by Amendments No.3	I approved by Res	÷
Chief State Sanitary Inspector		
enter state sameary inspector	-	10.2000/

<*> It is also required to control residual quantities of the antibiotics used for production of food raw material (see Clause 3.15).

(the note was amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010)

<*> It is also required to control residual quantities of the pesticides used for production of food raw material (see Clauses 3.12, 3.13).

<***> Products without phenylalanyl or with low-phenylalanyl content designed for children older than 1 year shall contain protein (eq) not less than 20 g/l, and safety indices shall satisfy requirements of Clause 3.3.5.1. Fat and hydrocarbon content in such products is not regulated, vitamin, mineral salts and microelements content shall satisfy physiological needs of human beings of appropriate age.

(the note was amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

3.4. Microbiological Safety Indices for Milk Products of Infant Food Produced at Milk Kitchens of Healthcare System

	-	_	Oystem			
Index, group of			f products	-		Notes
products	CFU/cm3	whic	h the indi			
	(g),			allo	wed	
	not more	Colifo	E. coli	s.	Pathog	
	than	rm		aureus	enic,	
		bacter			includ	
		ia			ing	
		(colif			salmon	
		orms)			ella	
					and	
					L.mono	
					cytoge	
	 _		l	ļ	nes	1
(as amended by						approved by
Resolution No. 4	41 of Chie	ef Stat	e Sanitar	y Inspecto	or of t	the RF dated
15.04.2003)	2			_		_
1	2	3	4	5	6	7
3.4.1.	100	10.0	10.0	10.0	100	<*> only
Sterilized					<*>	salmonella
products						
(adapted						
infant						
formulas,						
sterilized						
milk,						
sterilized						
milk cream,						
etc.) of non-						
aseptic						
bottling	500	10.0	10.0	10.0	100	D
3.4.2. Reconstituted	500	10.0	10.0	10.0	TOO	B. cereus 20 CFU/q,
infant formulas						20 CFU/g , not more
pasteurized						than
3.4.3.						
5.4.3. Fermented milk						
products:						
- all products		3.0	10.0	10.0	50	<*> only
except for	-	S. 0	10.0	10.0	<*>	salmonella
bifilin						;
DITITI						, bifidobact
						eria 1 x
						1E6 CFU/g,
						not less
						than, if
						produced
						with the
						use
						thereof;
						acidophili
						c bacteria
						1 x 1E7
						CFU/g, not
						less than,
	1	1	1	1	1	

- bifilin (as amended by Resolution No. 4						produced with the use thereof; microscopi c slide according to Clause 3.1.1.4 Bifidobact eria 1 x 1E7 CFU/g, not less than Microscopi c slide according to Clause 3.1.1.4 approved by the RF dated
<u>15.04.2003)</u> 3.4.4.				2 -1		
Curd products:						
- children curds, acidophilic paste, low-lactose protein paste, etc.	-	1.0	-	1.0	50 <*>	<pre><*> only salmonella; microscopic slide according to Clause 3.1.1.4</pre>
- calcinated curds	100	1.0	-	1.0	50	5.1.1.1
(as amended by Resolution No. 4 15.04.2003)						approved by the RF dated
3.4.5. Ready- made milk porridges (kashas) (from flour and grits of all types)	1 x 1E3	1.0	-	1.0	50	
3.4.6. Tinctures (from rose hip, black	5 x 1E3	1.0	10.0	-	50 <*>	<*> only salmonella

3.4.7. Starters (liquid)	-	10.0	-	10.0	100	Starter population microorgan isms 1 x 1E8 CFU/g, not less than; microscopi c slide according to Clause 2 1 1 4
						3.1.1.4

3.5. Products for Pregnant and Nursing Women

3.5.1. Milk and Soya Protein Isolate Based Products

1) Nutritional value (in a ready-to-eat product)

Criteria and indices	Measuremen t Units	Permissib	le levels	Notes		
		standard	marked	1		
Protein	g/l	30 - 100	+			
Fat	the same	8 - 35	+			
Hydrocarbons	the same	100 - 140	+			
Energy value	kcal/l	610 - 1300	+			
Mineral substances:						
calcium	mg/l	1200 - 2000	+			
phosphorus	the same	900 - 1400	+			
calcium/phosphorus	-	1.1 - 2.0	-			
potassium	mg/l	1400 - 2500	+			
sodium	the same	450 - 750	+			
potassium/ sodium	-	2 - 3	-			
magnesium	the same	150 - 250	+			
copper	mkg/l	600 - 1000	+			
manganese	the same	200 - 250	+			
iron zinc	mg/l the same	30 - 50 10 - 40	+ +			
chlorides	the same	100 - 1600	_			
iodine	mkg/l	100 - 250	+			
ash	g/l	9 - 12	+			
Vitamins:						
retinol (A)	mkg-eq/l	500 - 1500	+			
tocopherol (E)	the same	10 - 40	+			
calciferol (D)	mkg/l	10 - 15	+			
vitamin K	the same	50 - 120	+			
thiamine (B1)	mg/l	0.8 - 1.5	+			
riboflavin (B2)	mg/l	0.8 - 1.5	+			
panthotenic acid	the same	8 - 12 1.5 - 3.0	+ +			
pyridoxin (B6)	the same	1.5 - 3.0 10 - 25				
niacin (PP) folic acid (Bc)	the same the same	10 - 25 0.8 - 2.0	+ +			
cyanocobalamin (B12)	mkg/l	3.0 - 8.0	+			
ascorbic acid (C)	mg/l	100 - 300	+			
inosite	the same	80 - 120	+			
choline	the same	80 - 120	+			
biotin	mkg/l	80 - 200	+			
(as amended by Amendme Resolution No. 41 of	nts and Add	litions No. 2	, approved by	7		
Chief State Sanitary Inspector of the RF dated 15.04.2003)						

(as amended by Amendments and Additions No. 2, Approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

Indices	Permissible levels, mg/kg, not more than	
1	2	3
Indications of oxidative		
deterioration:		
Peroxide value	4.0	mmol of active
		oxygen/kg of fat
Toxic elements:		
lead	0.05	
arsenic	0.05	
cadmium	0.02	
mercury	0.005	
Antibiotics <*>:		In milk based
		products
laevomycetin	0.01	Expiring on
(chloramphenicol)		01.01.2012.
	0.0003	Shall become
		effective since
		01.01.2012.
tetracycline group	0.01	
penicillins	0.004	
Streptomycin	0.2	
(as amended by Amendments No. Chief State Sanitary Inspector	of the RF dated 01.	06.2011)
Mycotoxins:	not allowed	< 0.00002, for
aflatoxin M1		milk based
		products
aflatoxin B1	not allowed	< 0.00015, for
		soya based
		products
Pesticides:		
hexachlorocyclohexane (alpha-	0.02	
, beta-, gamma isomers)		
DDT and its metabolites	0.01	
(as amended by Amendments		
Resolution No. 177 of Chief St	ate Sanitary Inspect	or of the RF dated
27.12.2010)		
Radionuclides:		
caesium-137	40	Bq/l
strontium-90		the same
(as amended by Amendments		
Resolution No. 71 of Chief Sta	ate Sanitary Inspecto	or of the RF dated
28.06.2010)		
dioxins	not allowed	for milk based
		products
(introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008) Melamine not allowed < 1 mg/kg (for milk based products (introduced by Amendments No. 11, approved by Resolution No. 56 of Chief State Sanitary Inspector of the RF dated 01.10.2008) Microbiological indicators: 3.5.1.1. Dry Instant Products 2.5 x 1E4 QMAFAnM, CFU/g, not more than Coliform bacteria (coliforms) 1.0 mass (g) in which the indicator is not allowed E. coli 10 the same S. aureus 1.0 the same B. cereus 200 CFU/g, not more than 50 mass (g) in which Pathogenic, including the indicator is salmonella and L. not allowed monocytogenes 100 CFU/g, not more Moulds than Yeast 50 the same (Clause 3.5.1.1 as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003) Т 3.5.1.2. Sterilized Flavourless Liquid Products Shall satisfy requirements for industrial sterility for sterilized milk in accordance with Annex 8 to these Sanitary Rules (as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003) 3.5.1.3. Liquid Fermented Milk Products and Fermented Soybean Products Coliform bacteria (coliforms) 3 volume (cm3), in which the indicator is not allowed S. aureus 10 the same 1.0 volume (cm3) B. cereus 50 the same Pathogenic, including salmonella and L. monocytogenes Bifidobacteria 1 x 1E6 CFU/cm3, not less than, if produced with the use thereof Lactic acid microorganisms 1 x 1E7 CFU/cm3, not less than Moulds 10 CFU/cm3, not more than Yeast 10 CFU/cm3, not more than

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

3.5.2. Milk and Grain Based Porridges (Kashas) (instant)

1) Nutritional value (in 100 g of the product)

Criteria and indices	Measureme nt Units	Permissik	ole levels	Notes
		standard	marked	
1	2	3	4	5
Moisture	g	4 - 6	-	
Protein Fat	g	10 - 14 2 - 10	+ +	
Hydrocarbons Energy value	g the same kcal	70 - 80 340 - 460	++++	
Ash	g	0.5 - 3.5	-	
Mineral substances:				
sodium	mg, not	250	+	
calcium	more than mg	200 - 500	+	for enriched products
iron	the same	20 - 50	+	the same
Vitamins:				
retinol (A)	mkg-eq	300 - 400	+	for vitaminiz ed products
vitamin E	mg	5 - 12	+	the same
vitamin D	mkg	5 - 10	+	the same
vitamin C thiamine (B1)	mg mg	30 - 120 0.2 - 0.7	+ +	the same the same
riboflavin (B2)	the same	0.2 - 0.7 0.3 - 0.8	+	the same
niacin (PP)	mg	5 - 12	+	the same
folic acid (Bc)	mkg	600 - 1200		the same
(as amended by Amendme Resolution No. 41 of C 15.04.2003)	nts and Add	litions No. 2	, approved by	,

2) Safety Indices

Indices	Permissible levels, mg/kg, not more than	
1	2	3
Toxic elements:		
lead	0.3	
arsenic	0.2	
cadmium	0.06	
mercury	0.03	
Mycotoxins:		
aflatoxin M1 aflatoxin B1 dezoxynivalenol	not allowed not allowed not allowed	< 0.00002 < 0.00015 < 0.05 for wheat,
zearalenone	not allowed	barley < 0.0 05 for

maize,

wheat, barley T-2 toxin not allowed < 0.05 < 0.0005 ochratoxin A not allowed from wheat, rye, barley, oat, rice (introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008) Antibiotics <*>: according to Clause 3.5.1 (as amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010) Pesticides <*>: (as amended by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010) according to Clause Pesticides <*>: 3.1.2.1 (as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003) Benz (a) pyrene not allowed < 0,2 mkg/kgRadionuclides (in a ready-toeat product): caesium-137 40 Bq/kq strontium-90 25 the same (as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003, No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF dated 28.06.2010) Harmful contaminants: Pest contamination and not allowed infestation of grain (insects, mites) Metallic impurities 3 x 1E4 %, size of separate particles shall not exceed 0.3 mm in the largest linear measurement Microbiological indicators: 5 x 1E4 CFU/g, not more OMAFAnM, than Coliform bacteria (coliforms) 0.1 mass (q) in which the indicator is not allowed 2.5 Pathogenic, including the same salmonella and L. monocytogenes Moulds 200 CFU/g, not more than 100 the same Yeast not allowed for milk based dioxins products (introduced by Amendments and Additions No. 10, approved by Resolution No. 43 of Chief State Sanitary Inspector of the RF dated 16.07.2008) not allowed Melamine < 1 mg/kg (for milk based products) (introduced by Amendments No. 11, approved by Resolution No. 56 of

3.5.3. Fruit and Vegetables Based Products (Fruit, Vegetables Juices, Nectars and Drinks, Fruit Waters) (as amended by Amendments and Additions No. 18, approved by Resolution No. 71 of Chief State Sanitary Inspector of the RF Dated 28.06.2010)

1) Nutritional value (in 100 g of the product)

Criteria and indices	Measuremen t Units		ole levels	Notes
		standard	marked	
1	2	3	4	5
Mass fraction of soluble dry substances (juices)	g, not less than	5		
(as amended by Amend Resolution No. 71 of Ch 28.06.2010)				
Hydrocarbons (as amended by Amend Resolution No. 71 of Ch 28.06.2010)				-
Mineral substances:				
iron	mg	2 - 4		for enriched products
Vitamins:				
ascorbic acid (C)	mg	15 - 30		for vitaminiz ed products
folic acid (Bc)	the same mkg mkg-eq	1 - 2 100 - 400 100 - 300		the same the same the same
(as amended by Ameno Resolution No. 41 Chief State Sanitary In				proved by

2) Safety Indices

Indices	Permissible levels, Notes
	mg/kg, not more
	than

1	2	3
Toxic elements:		
Lead	0.3	
arsenic	0.1	
(as amended by Amendments a	and Additions No.	18, approved by
Resolution No. 71 of Chief Sta	te Sanitary Inspecto	or of the RF dated
28.06.2010)		
Cadmium	0.02	
Mercury	0.01	

Mycotoxins: Patuline	not allowed	< 0.02, for products containing apples, tomatoes, sea-buckthorn
Pesticides: hexachlorocyclohexane (alpha-, beta-, gamma isomers) DDT and its metabolites (as amended by Amendments Resolution No. 177 of Chief Sta 27.12.2010)	0.005 and Additions No.	22, approved by
Nitrates	200	vegetable, and fruit and vegetable based products
	50	fruit based products
(as amended by Amendments a Resolution No. 71 of Chief Sta 28.06.2010)		18, approved by
Radionuclides:		
caesium-137	40	Bq/kg
strontium-90	25	the same
(as amended by Amendments a		
Resolution No. 71 of Chief Sta 28.06.2010)		
5-Oxymethylfurfurol	1	and nectars
(as amended by Amendments Resolution No. 41 of Chief Sta 15.04.2003)		2, approved by or of the RF dated
Microbiological indicators:	Shall satisfy requi industrial sterilit of the correspondin accordance with Ann Sanitary Rules	y for canned food g groups in

3.5.4. Herbal Instant Teas

(on vegetable basis)

Safety indicators (in ready-to-use product)

Indicators	Permissible levels, mg/kg, not more than	
Toxic elements:		
lead	0.02	
(as amended by Amendments	and Additions No.	18 approved by
Resolution of the Chief State		
28.06.2010 No. 71)		
arsenic	0.05	
cadmium	0.02	
mercury	0.005	
Pesticides:		
hexachlorocyclohexane	0.02	
(alpha-, beta-, gamma -		
isomers)		
DDT and its metabolites	0.01	
(as amended by Amendments and	Additions No. 22 app	proved by
Resolution of the Chief State :	Sanitary Inspector o:	f the RF dated
27.12.2010 No. 177)		
Microbiological indicators:		
QMAFAnM	5 x 1E3	CFU/g, not more
		than
Coliform bacteria(coliforms)	1.0	weight (g), in
		which the
		indicator is not
_	1.0.0	allowed
B. cereus	100	CFU/g, not more
		than
Pathogenic, including	25	weight (g), in
salmonella		which the
		indicator is not
Mould	50	allowed
Mould	50	CFU/g, not more than
Yeast	50	the same
(as amended by Amendments and		
Resolution of the Chief State		
28.06.2010 No. 71)	Samuary mspector (JI LILE AF UALEU
20.00.2010 NO. /1)		

<*> It is also required to control residual quantities of the pesticides and the antibiotics used for production of food raw material (see Clauses 3.12, 3.13, 3.15).

(the note was amended by Amendments and Additions No. 22 approved by Resolution No. 177 of the Chief State Sanitary Inspector of the RF dated 27.12.2010)

3.6. Main Raw Materials and Components Used during Production of Children Food Products

Index, products group		Permissible levels, mg/kg, not more than	
1	2	3	4
3.6.1. Raw, heat treated, dry milk, cream and milk components,	Toxic elements, antibiotics, mycotoxins, pesticides, radionuclides	under Item 3.1.1.1	For dry components in reduced product
	Inhibitory	not allowed	raw milk and

		substances				cream	
		Dioxins:	not	allowed			
		Melamine	not	allowed		< 1 mg/kg	
amended	by	Amendments	and	Additions	No.	10 approved by	

(as amended by Amendments and Additions No. 10 approved by Resolution No. 43 of the Chief State Sanitary Inspector of the RF dated 16.07.2008, Addition No. 11 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 01.10.2008 No. 56)

	Micro	biolog	ical ind:	icat	ors:		
Index, products	QMAFAnM,	Produc [.]	t weight	(cn	n ³ , g),	Mould,	Notes
group	CFU/g,	in whi	.ch the	ind	licator	yeast,	
	not more	is not	allowed			CFU/g,	
	than					not	
		Colif	S. aureu	ıs	Pathog	more	
		orm			enic,	than	
		bacte			includ		
		ria			ing		
		(coli					
		forms					

)		salmon ella		
1	2	3	4	5	6	7
3.6.1.1. Raw cow milk:						somatic cells, not more than 5 x
- top-grade	3 x 1E5	-	-	25		1E5 in 1 cm ³
– 1 st grade	5 x 1E5	-	-	25		
3.6.1.2. Dry milk with weight fraction of fat 2 5%, dry fatless	2.5 x 1E4	1.0	1.0	25.0	Mould - 100; yeast - 50	
3.6.1.3. Concentrate of milk serum protein, produced by electrodialysi s, ultrafiltratio n and electrodialysi s	1 x 1E4	1.0	1.0	25	Mould - 50; yeast - 10	
3.6.1.4. Carbohydrate- protein concentrate	1 x 1E4	1.0	1.0	50	Mould - 50; yeast - 10	
3.6.1.5. Milk-protein concentrate	1 x 1E4	1.0	1.0	50	Mould - 50; yeast - 10	
3.6.1.6. Dry carbohydrate- protein mould made from cheese whey		1.0	1.0	25	Mould - 50; yeast - 10	
3.6.1.7. Dry carbohydrate- protein moulds made from curd whey		1.0	1.0	25	Mould - 50; yeast - 10	
3.6.1.8. Liquid paracasein concentrate		3.0	1.0	25	Mould - 50; yeast - 50	microscope slide

3.6.1.9.		1.0	1.0	25	Mould -the same
Dry paracasein					50;
concentrate					yeast -
concentrate					50
					50
3.6.1.10.	1 x 1E4	1.0	1.0	25	Mould -
Dry kazetsit					50;
DIY Kazeesie					
					yeast
					- 10
3.6.1.11.	1.5 x	0.3	1.0	25	Mould -
Nonfat dry milk					50;
component for					yeast
dry children					- 10
food products					
3.6.1.12. Dry	1 5	1.0	1.0	25	Mould -
		1.0	1.0	23	
milk component					50 ;
with malt					yeast
extract (for					- 10
liquid children					
<pre>food products);</pre>					
nonfat dry milk					
component (for					
production of					
biologically					
active					
substances)					
3.6.1.13. Dry	2.5 x 1E4	1.0	1.0	25	Mould -
milk component					50;
with					yeast -
					50
carbohydrate-) · · · · · · · · · · · · · · · · · · ·
protein					
concentrate for					
liquid children					
food products					
	2.5 x	1.0	1.0	25	Mould -
		±•0	±•0	25	
nonfat milk	工 出 4				50;
component					yeast
without					- 50
chemical					
treatment for					
dry children					
food products					
rood products					

Index, products group	Indicat	cors	Permissib mg/kg, than		els, nore	N	otes
1		2	ciidii	3			4
3.6.2. Grain	Toxic ele	ments,	under Iter	-	.1		
and and grain	mycotoxin						
products	pesticide						
(flour,	injurous	- ,					
cereals)	additives						
,	benz(a)py						
	Radionucl						
	cesium-13		4	10			Bq/kg
	strontium			25			the same
(as amended by			1		۰ ٦.	18	approved by
Resolution of t							
28.06.2010 No. 7		50400	- and out y		(
		bioloa	ical indica	ators:			
					-		
Index, products	QMAFAnM,	Product	t weight (d	cm³, g),	Mou	ld,	Yeast,
group	CFU/g ,	in whi	.ch the in	dicator	CFU	/g,	CFU/g, not
	not more	is not	allowed		not		more than
	than	Colifo	S. aureus	Pathog	mor	е	
		rm		enic,	tha	n	
		bacter		includ	L		
		ia		ing			
		(colif		salmon	L		
		orms)		ella			
1	2	3	4	5		6	7
3.6.2.1.	2.5 x 1E4	1.0	-	25	100		100
Not treated							
rice,							
buckwheat,							
oat,							
wheat,							
barley cereals							
3.6.2.2. Not	5 x 1E4	0.1	-	25	200		100
treated rice,							
buckwheat, oat,							
rye flour							
3.6.2.3.	1 x 1E4	1.0	1.0	25		50	10
Treated rice,							
buckwheat,							
oat,							
rye flour							
3.6.2.4.	1 x 1E4	1.0	1.0	25		50	50
Semolina							
3.6.2.5 Oatmeal	1 x 1E4	1.0	1.0	25		50	10
			Additions N				
Resolution of th	e Chief S	tate Sa	nitary Ins	pector	of t	che F	RF dated
15.04.2003 No. 4	1)						

	p	mg/kg, not more	
1	2	than 3	4
3.6.3. Fresh fruit, vegetables	Toxic elements:		
vegetables	lead	0.3	
	arsenic	0.2	
	cadmium	0.02	
	mercury	0.01	
	Pesticides:		
	hexachlorocycloh exane (alpha-, beta-, gamma -		
	isomers) DDT and its metabolites	0.005	
	y Amendments a the Chief State S	and Additions No. Sanitary Inspector (
	Nitrates:	600	beet-root
		400	cabbage
		200 50	vegetables,
			bananas, fruit
	Radionuclides:		
	cesium-137	60	Bq/kg
	strontium-90	25	the same
	the Chief State S 43)	and Additions No. Sanitary Inspector (of the RF dated
	Toxic elements	under Item 3.1.3	in terms of
3.6.3.1. Concentrated fruit juices o aseptic cannin	f g		initial product (juices) subject to dry substances content in it and in the end product (concentrated juices)
3.6.3.1. Concentrated fruit juices o aseptic cannin	f g	not allowed	<pre>(juices) subject to dry substances content in it and in the end product (concentrated juices) < 0.02 for apple, sea-</pre>
3.6.3.1. Concentrated fruit juices o aseptic cannin	f g Mycotoxins: penicidin	not allowed	<pre>(juices) subject to dry substances content in it and in the end product (concentrated juices) < 0.02 for</pre>
3.6.3.1. Concentrated fruit juices o aseptic cannin	f g Mycotoxins: penicidin Pesticides:		<pre>(juices) subject to dry substances content in it and in the end product (concentrated juices) < 0.02 for apple, sea-</pre>
3.6.3.1. Concentrated	f g Mycotoxins: penicidin		<pre>(juices) subject to dry substances content in it and in the end product (concentrated juices) < 0.02 for apple, sea-</pre>
3.6.3.1. Concentrated fruit juices o aseptic cannin	f g Mycotoxins: penicidin Pesticides: hexachlorocycloh exane hexane (alpha-,	0.1	<pre>(juices) subject to dry substances content in it and in the end product (concentrated juices) < 0.02 for apple, sea-</pre>

	Nitrates	100	fruits
(as smanded by I	mandmanta and Id	ditiona No. O opprov	ad by Decelution
		ditions No. 2 approv ector of the RF date	
41)	ate banitary insp	ector of the Kr date	a 15.04.2005 NO.
	Toxic elements:		
the livestock			
for slaughter	Tood	0.1	for children
(DCCL)	Leau	0.1	under 3 years
pork,horsemeat		0.2	for children
etc.)		0.2	older than 3
			years
	Arsenic	0.1	a.
	Cadmium	0.03	
	Mercury	0.01	for children
			under 3 years
		0.02	for children
			older than 3
	Antibiotics <*>:		years
	AUCIDIOCICS <^/:		
	laevomycetin	0.01	Expiring on
	(chloramphenicol	0.01	01.01.2012.
	,	0.0003	Shall become effective
			since 01.01.2012.
		0.01	01.01.2012.
	tetracycline	0.01	
	group	0.00	
	Bacitracin	0.02	
		approved by Resolut RF dated 01.06.2011 1	
	Pesticides:		
		0.01	c
	hexachlorocycloh	0.01	for children
	exane (alpha-,		under 3 years
	beta-, gamma – isomers)	0.015	for children
	130mers)		older than 3
			years
	DDT and its	0.01	for children
	metabolites		under 3 years
		0.015	for children
			older than 3
Resolution of t	the Chief State	 d Additions No. 3 Sanitary Inspector 4	years 22 approved by of the RF dated
27.12.2010 No. 1	L77)		
	Dioxins:	not allowed	
	Radionuclides:		
	cesium-137	70	Bq/kg
	strontium-90	30	the same
	the Chief State	d Additions No. Sanitary Inspector	10 approved by of the RF dated

3.6.4.1.	Toxic ele	ments:	l		
By-products of	lead		0.5	5	
the livestock	arsenic		1.0		
for slaughter	cadmium		0.3	3	
(liver, heart,	mercury		0.1		
tongue)					
	Antibioti	CS	1		
	laevomyce		0.0)1	Expiring on
	(chloramp	henico			01.01.2012.
	1)		0.0		
			0.0	003	Shall become effective since
					01.01.2012.
	+ + + + + + + + + + + + + + + + + + + +	ine	0.0) 1	01.01.2012.
	tetracycl group	ine	0.0		
	group				
	bacitraci	n	0.0	12	
					ion of the Chief
State Sanitary 3	Inspector (of the I	RF dated 01	.06.2011 1	No. 79)
	Pesticide	s:	0.0)15	
	hexachlor	ocyclo			
	hexane (a				
	beta-, ga	.mma -			
	isomers)				
	DDT and i	ts	0.0)15	
	metabolit	es			
(as amended by	y Amendı	ments a	and Additi	ons No.	22 approved by
Resolution of t	che Chief	State	Sanitary In	nspector d	of the RF dated
27.12.2010 No. 1					
	Dioxins:		not allowe	ed	
	Radionucl	i de a t			
	Radionuci	indes:			
	cesium-13	7	7	0	Bq/kg
				0	2 4,
	strontium	ı–90	3	0	the same
	l				
					2 approved by
			-	-	of the RF dated
Sanitary Inspect					the Chief State
Sanitary inspect					
		biologi	cal indicat		3
Index, products		in t		eight (cm	, g), s not allowed
group	CFU/g , not more	TII W	niten ene li	iurcator 1	S HUC ALLOWED
	than	Colifor	m bacteria	C 011701-	Dathogonic
	CIIGII	(colif		s. aureus	-
		(20111)	/		including salmonella and
					L.
					monocytogenes
3.6.4. Meat of			1.0		25
the livestock					
for slaughter					
(in bulk and					
cut):					
- new-	10		1.0	_	25
slaughtered	- ~		±•v		20
- chilled	1 x 1E3		0.1	-	25
- frozen	1 x 1E4		0.01	-	25
1	• I				ı İ

- frozen inlx	0.001	-	25
blocks and1E5			
pieces			
- by-products	-	-	25
- dry food blood 2.5 x	1.0	1.0	25
1E4			
by Amendments and Addit: State Sanitar	ons No. 2 approved y Inspector of the		

Index, products	Indicators	Permissible levels,	Notes
group	indicacors	mg/kg, not more	
group		than	
1	2	3	4
3.6.5. Poultry meat	Toxic elements:		
	lead	0.0	
	arsenic	0.2	
	cadmium	0.03	
	mercury	0.03	
	Antibiotics <*>		
	AIICIDIOCICS		
	laevomycetin (chloramphenico 1)	0.01	Expiring on 01.01.2012.
		0.0003	Shall become effective since
			01.01.2012.
	tetracycline group	0.01	
	bacitracin	0.02	
		approved by Resolut RF dated 01.06.2011 1	
	Pesticides: hexachlorocyclo hexane (alpha-, beta-, gamma -	0.02	
	isomers) DDT and its	0.01	
		and Additions No. Sanitary Inspector	22 approved by of the RF dated
	Dioxins:	not allowed	
	Radionuclides:		
	cesium-137	70	Bq/kg
	strontium-90	30	the same
	e Sanitary Inspec	tions No. 10 approved tor of the Russian Fe	

Index, products QMAFAnM, Product weight (cm³, g), in which the indicator is not allowed

	CFU/g, not more			
	than	Coliform bacteria (coliforms)	S. aureus	Pathogenic, including salmonella and L. monocytogenes
1	2	3	4	5
3.6.5.1.				
Carcasses and meat of poultry(taking of samples from deep layers):				
- chilled, frozen poultry	1 x 1E5			25
- chilled, frozen meat of chicken, broiler chicken	1 x 1E5			25
- lump meat wtthout bones;	2 x 1E5			25
<pre>lump meat with bones, including chicken legs and breasts - mechanically deboned meat</pre>	1 x 1E6			25
3.6.5.2.	2 x	_	_	25
Chilled poultry by- products	1E5			

Index, products group		Permissible levels, mg/kg, not more than	
1	2	3	4
3.6.6. Fish	Toxic elements:		
	lead arsenic cadmium mercury	0.5 0.5 0.1 0.15	
	Antibiotics <*>: fishery	in fish of pond and	cage culture
	tetracycline group	0.01	
_	the Chief State Sa	dditions No. 24 appro anitary Inspector of	-
	Pesticides: hexachlorocyclo hexane (alpha-, beta-, gamma -	0.02	

	s) DDT and tabolites	0.01	
(as amended by Amer Resolution of the Chi 27.12.2010 No. 177)			
sum of nitros ne and	omethylami	not allowed	< 0.001
histam	ine	100	tunny, mackerel, salmon, herring
polych biphen	lorinated yls	2.0	
Dioxin	s:	not allowed	
Radion	uclides:		
cesium	-137	100	Bq/kg
stront	ium-90	60	the same

(as amended by Amendments and Additions No. 2 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 15.04.2003 No. 41, No. 10, approved by Resolution of the Chief State Sanitary Inspector of the RF dated 16.07.2008 No. 43)

Microbiological indicators:

Index, products	QMAFAnM,	Product weight (cm ³ , g), in which the				
group	CFU/g,	indio	cator is n	ot allowed		
	not more					
	than	Coliform bacteria	S. aureus	Pathogenic,		
		(coliforms)		including		
				salmonella and		
				L.		
				monocytogenes		
3.6.6.	5 x 1E4	0.01	0.01	25		
Chilled,						
subfrozen,						
frozen raw						
fish						
(as amended by	(as amended by Amendments and Additions No. 2 approved by					
Resolution of the Chief State Sanitary Inspector of the RF dated						
		0 approved by Reso	-			
	•	e RF dated 16.07.2				

Index, products group		Permissible levels, mg/kg, not more than	
3.6.7. Refined and deodorized vegetable oil	Toxic elements: lead arsenic cadmium mercury	0.1 0.1 0.05 0.03	

1	Pesticides:		
	Hexachlorocyclohexane	0.01	
	DDT and its	0.01	
	metabolites		
(as amended by	Amendments a	and Additions No.	22 approved by
· · · · · · · · · · · · · · · · · · ·		Sanitary Inspector	11 1
27.12.2010 No. 1			
	Indicators of	2	active oxygen
	oxidative		mmole/kq mq
	spoilage:		KOH/g unit/g
	peroxide value		Kon/g unitc/g
	peronide varae		
	acid-degree	0.6	
	value		
	anisidine index	3.0	
	Dioxins:	not allowed	
	Radionuclides:		
	cesium-137	60	Bq/kg
	strontium-90	80	the same
		-	
(as amended by	Amendments a	and Additions No.	10 approved by
Resolution			
of the Chief Sta	ate Sanitary Inspe	ector of the RF date	ed 16.07.2008 No.
43)	<u> </u>		
L			

Microbiological indicators:

Index, products group	,	Pro	duct weigh indica	nt (cm ³ , c tor is no		
		Colifo rm bacter ia (colif orms)	us	Pathogen ic, includin g salmonel la	Mould	Yeast
1	2	3	4	5	6	7
3.6.7.1. Refined deodorized maize oil	100	1.0	1.0	25	20	1.0
3.6.7.2. Refined deodorized sunflower oil	500	1.0	1.0	25	100	1.0
3.6.7.3. Soya- bean oil	100	1.0	-	25	20	1.0

Index, products group		Permissible levels, mg/kg, not more than	
3.6.8. Top- grade butter Rendered poultry fat	Toxic elements: lead arsenic cadmium mercury	0.1 0.1 0.03 0.03	
		including in render	
	laevomycetin (chloramphenico l)	0.01	Expiring on 01.01.2012.
		0.0003	Shall become effective since 01.01.2012.
	tetracycline group	0.01	
	penicillins	0.004	
	streptomycin	0.2	
_	itary Inspector o	approved by Resolut of the RF dated 01.06	5.2011 No. 79)
	Mycotoxins: aflatoxin M1	not allowed	< 0.00002
	Pesticides: Hexachlorocyclo hexane (alpha-, beta-, gamma -	0.2	
	isomers) DDT and its	0.2	
-		 d Additions No. 2 Sanitary Inspector d	22 approved by of the RF dated
	Dioxins:	not allowed	
	Radionuclides:		
	cesium-137	40	Bq/kg
	strontium-90	25	the same
Resolution of t	Amendments and Ad he Chief State Sa	ditions No. 2 approv nitary Inspector of oved by Resolution of	ed by the RF dated
		RF dated 16.07.2008	

Microbiological indicators:

Index,	ΟΜλΕληΜ	Product	: weight (cm^3 (cm)	Mould,	Notes
products			ch the in		CFU/q,	NOCCS
group	not more		s not allo		not more	
group					than	
		Colifo		Pathoge	CIIAII	
	Cr0/g,	rm	aureus	nic,		
		bacter		includin		
		ia		g		
		(colif		salmonel		
		orms)		la		
3.6.8.1. Top-	1 x 1E4	0.1	1.0	25 <*>	100	<*>
grade butter						additionall
						у L.
						monocytogen
						es
3.6.8.2.	1 x 1E2	1.0	1.0	25	-	
Rendered				-		
poultry fat						

Index, products	Indicators	Permissible levels,	Notes
group		mg/kg, not more	
		than	
1	2	3	4
3.6.9.	Toxic elements:		
Sugar sand			
	lead	0.5	
	arsenic	1.0	
	cadmium	0.05	
	mercury	0.01	
	Pesticides: Hexachlorocycloh exane (alpha-, beta-, gamma - isomers)	not allowed	< 0.005
	DDT and its metabolites	not allowed	< 0.005
Resolution of t 15.04.2003 No.	he Chief State Sa 41, No. 22, appro	Additions No. 2 appro anitary Inspector of oved by Resolution of RF dated 27.12.2010	the RF dated the Chief

Microbiological indicators:

			Micr	obiological	indica	tors:	
	products roup		in whi is not		licator	CFU/g, not more than	Yeast, CFU/g, not more than
	1	2	3	4	5	6	7
3.6.9. Sugar refine sugar		1 x 1E3	1.0		25	10	10

ľ

3.6.9.2. Maize molasses	5 x 1E3	1.0	1.0	100	50	10
	1 x 1E4	1.0	_	25	50	50
3.6.9.4. Maize starch of top grade	1 x 1E4	1.0	-	25	50	10
3.6.9.5. Aspartame	2.5 x 1E2	1.0	-	10	-	-
3.6.9.6. Dry maize imported molasses	5 x 1E3	1.0	1.0	100	50	10
3.6.9.7. Powdered low- conversion glucose syrup	1 x 1E4	1.0	1.0	25	100	50
3.6.9.8. Carbohydrate component produced by enzymic cleavage of starch	1 x 1E4	1.0	-	25	100	50
3.6.9.9. Potato starch of top grade		1.0	-	25	50	10
3.6.9.10. Refined milk sugar	1 x 1E3	1.0	-	25	10	10
lactose of spray dehydration	1 x 1E4	1.0	1.0	25	100	50
(as amended by Resolution of t 15.04.2003 No. 4	he Chief					approved by he RF dated
3.6.9.12. Lactose concentrate	5 x 1E3	1.0	-	50	100	50

Index,	Indica	tors	Permissibl	e leve	ls, N	otes
products group			mg/kg , n	iot m	ore	
			than			
3.6.10.						
Other						
components						
			al indicato			r
Index,	QMAFAnM,	Produc	t weight (cr	m ³ , g),	Mould,C	Yeast,
products group	-		.ch the inc		-	CFU/g, not
	not more				not	more than
	than	Colifo	S. aureus	Pathog		
		rm		enic,		
		bacter		includ		
		ia		ing		
		(colif		salmon		
		orms)		ella		
1	2	3	4	5	6	7
3.6.10.1.	100	1.0	1.0	25	20	not allowed
Vitamin premix						
3.6.10.2.	1 x 1E4	1.0	1.0	25	50	50
Mineral premix						
3.6.10.3.	5 x 1E3	0.1	1.0	25	-	-
Isolated soya						
protein						
3.6.10.4.	1 x 1E4	0.1	-	25	100	100
Pectin						

<*> It is also required to control residual quantities of the pesticides and antibiotics used for production of food raw material (see Clauses 3.12, 3.13, 3.15).

(the note was amended by Amendments and Additions No. 22 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 27.12.2010 No. 177)

Annex 4 to SanPiN 2.3.2.1078-01, approved by Resolution No. 36 of the Chief State Sanitary Inspector of the RF dated November 14, 2001

FOOD PRODUCTS PRODUCED FROM GENETICALLY MODIFIED SOURCES

Expelled from September 1, 2007. — Amendments No. 5 approved by Resolution No. 42. of the Chief State Sanitary Inspector of the RF dated 25.06.2007

Annex 5a to SanPiN 2.3.2.1078-01, approved by Resolution No. 36 of the Chief State Sanitary Inspector of the RF dated November 14, 2001

BIOLOGICALLY ACTIVE SUBSTANCES, COMPONENTS OF FOOD AND PRODUCTS BEING THEIR SOURCES AND NOT HAVING ADVERSE EFFECTS TO HUMAN HEALTH WHEN USED FOR PRODUCTION OF BIOLOGICALLY ACTIVE ADDITIVES TO FOOD

1. Food substances:

1.1. Proteins, protein derivatives (of animal, vegetable, microbial and other origin): protein isolates, protein concentrates, protein hydrolyzates, aminoacids and derivatives thereof.

1.2. Fats, lipoids and derivatives thereof:

1.2.1. vegetable oils – the sources of essential polyunsaturated fatty acids, phytosterols, phospholipids, fatsoluble vitamins;

1.2.2. Fats of fish and marine animals - the sources of polyunsaturated fatty acids, phospholipids, fat-soluble vitamins;

1.2.3. individual polyunsaturated fatty acids, extracted from food sources: linoleic, linolenic, arachidonic, eicosapentaenoic, docosahexaenoic acids etc.;

1.2.4. sterines extracted from food raw materials;

- 1.2.5. medium-chain triglycerides;
- 1.2.6. phospholipids and their precursor substances, including lecithin, kephalin, choline, ethanolamine.
- 1.3. Carbohydrates and their derived products:
- 1.3.1. food fibers (cellulose pulp, hemicelluloses, pectin, lignin, gum etc.);
- 1.3.2. polyglycoosamines (chitosan, chondroitin sulfate, glycosaminoglycans, glucosamine etc.);
- 1.3.3. starch and products of its hydrolysis;
- 1.3.4. inulin and other polyfructosans;
- 1.3.5. glucose, fructose, lactose, lactulose, ribose, xylose, arabinose.

1.4. Vitamins, pseudo-vitamins and coenzymes: vitamin C (ascorbic acid, its salts and ethers), vitamin B_1 (thiamine), vitamin B_2 (riboflavin, flavin mononucleotide), vitamin B_6 (pyridoxine, pyridoxal, pyridoxamine and their phosphates), vitamin PP (nicotinamide, nicotinic acid, salts of nicotinic acid), folic acid, vitamin B_{12} (cyanocobalamin, methylcobalamin), pantothenic acid (salts of pantothenic acid), biotin, vitamin A (retinol and its ethers), carotenoids (beta-carotene, lycopin, lutein etc.), vitamin E (tocopherols, tocotrienols and their ethers), vitamin D and its active forms, vitamin K, para-aminobenzoic acid, lipoic acid, orotic acid, inosite, methylmethionine-sulfonium, carnitine, pangamic acid.

1.5. Mineral substances (macro- and microelements): calcium, phosphorus, magnesium, potassium, sodium, iron, iodine, zinc, boron, chrome, copper, sulfur, manganese, molybdenum, selenium, silicon, vanadium, fluorine, germanium, cobalt.

2. Minor food components:

2.1. enzymes (of vegetable origin or obtained by biotechnological methods on the basis of microbial synthesis);

2.2. polyphenolic compounds including ones with an expressed antioxidant effect - bioflavonoids, anthocyanidins, catechins and others);

2.3. natural metabolites: succinic acid, alpha-keto acids, ubiquinone, citric acid, fumaric acid, tartaric acid, ornithine, tsitrulin, creatine, betaine, glutathione, taurine, malic acid, indoles, isothiocyanates, octacosanol, chlorophyll, terpenoids, iridoids, resveratrol, steviosides.

3. Probiotics (in monocultures and in associations) and prebiotics:

3.1. Bifidobacteria, including the species of nfantis, bifidum, longum, breve, adolescentis; Lactobacillus, including the species of acidophilus, fermentii, casei, plantarum, bulgaricus etc.; Lactococcus; Streptococcus thermophilus; Propionibacterium etc.;

3.2. various classes of oligo- and polysaccharides (fructo-oligosaccharides, galacto-oligosaccharides of natural origin, of microbial synthesis, etc.);

3.3. biologically active substances - immune proteins and enzymes, glycopeptides, lysozyme, lactoferrin, lactoperoxidase, bacteriocins of lactic-acid microorganisms, except for preparations from tissues and fluids of man.

4. Plants (food and drug ones), products of the sea, rivers, lakes, reptiles, arthropods, mineral-organic or natural mineral substances (in a dry, powder, tablet, encapsulated form, in the form of aqueous, alcoholic, fat dry and liquid extracts, tinctures, syrups, concentrates, balsams): amberat, Spirulina, Chlorella, inactivated yeast and their hydrolysates, zeolites etc.

5. Bee products: royal jelly, propolis, beeswax, pollen, ambrosia.

Annex 5b to SanPiN 2.3.2.1078-01, approved by Resolution No. 36 of Chief State Sanitary Inspector of the RF as of November 14, 2001

BIOLOGICALLY ACTIVE SUBSTANCES,

FOOD COMPONENTS AND PRODUCTS BEING THEIR SOURCES

WHICH MIGHT NEGATIVELY AFFECT HUMAN HEALTH WHEN USED FOR PRODUCTION OF BIOLOGICALLY ACTIVE FOOD ADDITIVES

(as amended by Amendments No.1, approved by Resolution No. 27 of Chief State Sanitary Inspector of the RF dated 20.08.2002
Amendments and Additions No. 7, approved by Resolution No. 17 of Chief State Sanitary Inspector of the RF dated 05.03.2008
Amendments and Additions No. 15, approved by Resolution No. 73 of Chief State Sanitary Inspector of the RF dated 08.12.2009
Amendments No.19, approved by Resolution No. 102 of Chief State Sanitary Inspector of the RF dated 10.08.2010
Amendments No.23, approved by Resolution No. 30 of Chief State Sanitary Inspector of the RF dated 11.04.2011

1. Plants Containing Strong, Narcotic, or Toxic Substances:

No.	Name of Plants in English	Name of Plants in Latin	Parts of Plants
1	2	3	4
1.	liquorice, Precatory bean, Jequirity)	Abrus precatorius L.	Seeds
2.	of grace)	Gratiola officinalis L.	Aerial part
3.	Climbing fumitory	Adlumia fugosa Greene	All parts
4.	Neem tree (Margosa, Neem)	Azadirachta indica A. Juss.	All parts
5.	Asiasarum heterotropoides	Asiasarum heterotropoides F. Maek.	Roots
6.	Acacia	Acacia L.	All species, aerial part
7.	Aconite (Monkshood)	Aconitum L.	All species, all parts
8.	Toothpickweed (Bisnaga)	Ammi visnaga (L.) Lam. (Visnaga daucoides Gaertn.)	All parts
9.	Devil's tongue	Amorphophallus rivieri Durieu	All parts
10.	Anabasis	Anabasis L.	All species, shoots
11.	Adenanthera	Adenanthera L.	All species, all parts
12.	Anamirta cocculus (Indian cocculus, Cocculus)	Anamirta cocculus (L.) Wight et Arn.	All parts
13.	Anhalonium lewinii	Anhalonium lewinii Jennings	All parts
14.	Rayless goldenrod	Aplopappus heterophyllus	All parts
15.	Prickly poppy	Argemone L.	All species, all parts
16.	Betel palm (Areca palm, Areca nut, Betel palm)	Areca catechu L.	All parts

17.	Arisarum	Arisarum L.	All species, all parts
18.	Dutchman's pipe	Aristolochia L.	All species, all
19.	Arnica	Arnica L.	All species,
	Arum	Arum L.	flowers All species, all
20.	Arthrocnemum glaucum	7	parts
21.		Arthrocnemum glaucum Delile	Aerial part
22.	Blackheart Sassafras	Atherosperma moschatum Labill.	All parts
23.	Labrador tea (Rosemary)	Ledum L.	All species, aerial part, shoots
24.	Roughbark Lignum-vitae (Guaiacum)	Guaiacum officinale L.	All parts
25.	Bocconia	Bocconia L.	All species, all parts
26.	Fir clubmoss (Fir moss)	Huperzia selago L.	All parts
27.	Barberry	Berberis L.	All species, roots, bark
28.	Periwinkle (Madagascar Periwinkl)	Vinca L.	All species, all parts
29.	Slipper orchid	Cypripedium sp.	All species, all parts
30.	Colchicum	Colchicum sp.	All species, all parts
31.	Beilschmiedia Nees	Beilschmiedia Nees	All parts
32.	Henbanes	Hyoscyamus sp.	All species, all parts
33.	Grass of Parnassus (Marsh Grass-of-Parnassus, Northern Grass-of- Parnassus)	Parnassia palustris L.	All parts
34.	Summer snowflake	Leucojum aestivum L.	All parts
35.	European spindle (Spindle)	Euonymus europaea L.	Seeds
36.	Biota	Biota orientalis L.	All parts
37.	Common privet	Ligustrum vulgare L.	Leaves, fruits
38.	Blepharis edulis	Blepharis edulis Pers.	All parts
39.	Fleabane	Pulicaria uliginosa Stev. ex DC.	All parts
40.	Golden chain (Golden shower)	Laburnum anagyroides (= Cytisus laburnum L.)	All parts
41.	Hemlock	Conium L.	All species, all parts
42.	Boronia	Boronia Sm.	Essential oils from leaves and shoots of all species
43	Java brucea	Brucea javanica Merr.	All parts
· · ·		Sambucus edulus L.	- " -
44.	Dwarf elder		
45.	Dwarf elder Summer ragwort	Ligularia dentata Hara	All parts
45.		Ligularia dentata Hara	All parts All parts
45. 46.	Summer ragwort Burasaia madagascariensis Meadow rue	Ligularia dentata Hara Burasaia madagascariensis	All parts All species,
45. 46. 47.	Summer ragwort Burasaia madagascariensis Meadow rue	Ligularia dentata Hara Burasaia madagascariensis DS Thalictrum L.	All parts All species, aerial part
45. 46. 47. 48.	Summer ragwort Burasaia madagascariensis Meadow rue	Ligularia dentata Hara Burasaia madagascariensis DS	All parts All species,

			parts
51.	Cowbane (Cicuta)	Cicuta L.	All species, all
51.			parts
FO	Indian ginseng	Withania somnifera (L.)	All parts
52.		Dunal	
53.	Voacanga africana	Voacanga africana	All parts
	Columbine	Aquilegia L.	All species,
54.		nquiregra i.	roots
55.	Common bugloss	Anchusa officinalis L.	All parts
55.	-		-
56.	Daphne	Daphne sp.	All species, all
	-		parts
57.	Baneberry	Actaea L.	All species, all
			parts
58.	Paris herb	Paris L.	All species, all
50.			parts
	Crown vetch, Coronilla (Coronilla L.	All species,
59.			roots,
			seeds
	Peganum (Syrian Rue)	Peganum L.	All species,
60.	Loganam (Oyttan Ruc)		aerial part
	Gelsemium	Gelsemium L.	All species, all
61.		COLDONITON D.	=
		Uudnogornug, Coort-	parts
62.	Hydnocarpus	Hydnocarpus Gaertn.	All species,
	(Chaulmoogra)		seeds
63.	Hydrastis	Hydrastis L.	All species, all
••••	(Orangeroot, Goldenseal)		parts
64.	Hemlock parsley	Conioselinum jeholense	All parts
04.		M.Pimem	
<u> ۲</u>	Glaucium (Horned Poppy)	Glaucium L.	All species,
65.			aerial part
	Honey locust (Three-	Gleditsia triacanthos L.	All parts
66.	thorned acacia)		I
	Gomphocarpus (Swan	Gomphocarpus L.	All species, all
67.	Plant)	comprisearpus 1.	parts
	Spring pheasant's eye	Adinis L.	±
68.	(Adonis)	Adinis L.	All species,
			aerial part
69.	Common vetch (Narrow-	Vicia Angustifolia, V.	All parts
	leaved vetch)	sativa	
	Wild mustard	Sinapis arvensis L.	All parts of the
70.			plant in the
			fruiting season
7 1	Chinese bellflower	Cida L.	All species, all
71.	(Sida)		parts
	Northern firmoss	Huperzia selago Bernh. ex	All parts
72.		Schrank et Mart.	1 -
· - •		(Lycopodium selago L.)	
72	Water willow	Decodon verticillatus Ell.	Aerial part
10.			
74.	Delphinium (Larkspur)	Delphinium L.	All species, al
			parts
75.	Dehaasia squarrosa	Dehaasia squarrosa Hassk.	All parts
76.	Jeffersonia dubia	Jeffersonia dubia Benth. et	All parts
		Hook. F. ex Baker et Moore	
77.	Jute	Corchorus L.	All species,
//•			seeds
78.	Dioscorea hispida	Dioscorea hispida Dennst.	All parts
79.	Common melilot	Melilotus oficinalis.	All parts
	Doryphora sassafras	Doryphora sassafras Endl.	Essential oils
80.	Seriphora Sassarras	Poryphora sassarras chur.	
Q 1	Duoría grachuad	Conjeta tinatoria I	from all parts
81.	Dyer's greenweed	Genista tinctoria L.	All parts
82.	Stramony	Datura L.	All species, al
			parts
83.	Cocklebur (Jerusalem	Xanthium L.	All species, al

	Sage, Spiny cocklebur)		parts
0.4	Fumitory	Fumaria L.	All species, all
84.	_		parts
85.	Duboisia	Duboisia L.	All species, all parts
	Wallflowers	Erysimum L.	All species, all
86.		-	parts
87.	Lonicera chamisso	Lonicera. chamissoi	All parts
88.	Lonicera tatarica	Lonicera. tatarica	Fruits
89.	Lonicera xylosteum	Lonicera xylosteum	Fruits
90.	Zigadenus sibiricus	Zigadenus sibiricus (L.) A.Gray	All parts
01	Bitter candytuft	Iberis amara L.	All parts
	Ignatia amara	Ignatia amara L.	All parts
	- 1	Cephaelis L.	
93.			All species, all parts
94.	Beach Moonflower	Ipomea violacea	Seeds
95.	Cabi paraensis	Cabi paraensis Ducke	All parts
	Peyote	Lophophora williamsii	Aerial part
97.	San Pedro Cactus	Echinopsis pachanoi	Aerial part
	Caladium	Caladium L.	All species, all
			parts, apart from
98.			edible Caladium
			- C.esculentum
			(rootstock)
99	Silver maple	Acer saccharium	Leaves
100.	-	Calea zacatechichi	Aerial part
100.	Caltha	Caltha sp.	All species,
101.		carena sp.	aerial part
102.	Cananga odorata (Ylang-	Cananga odorata Hook. f. et Thoms.	All parts
102	ylang) Hoary pepperwort		All parts
103.		Cardaria draba (L.) Desv. Catha edulis Forsk.	
104.	Kat (cat, khat, Abyssinian tea, Arabian tea)	Catha edulis Forsk.	Aerial part
105.	Baby's-breath (Gypsophila, Tumbleweed)	Gypsophila L.	All species, all parts
106.		Quillaja saponaria Molina	All parts
107.	Kendvr	Apocynum L.	All species, all
			parts - " -
	Common wood sorrel	Oxalis acetosella L.	
	Castor bean	Ricinus communis L.	All parts
	Clasping pepperweed	Lepidium perfoliatum L.	All parts
111.		Atragene sibirica L.	All parts
112.	Coca bush (Coca)	Erythroxylum coca Lam.	All species, all parts
113.	Cicely (Dog-parsley)	Aethusa Cynapium L.	All parts
	Collinsonia anisata	Collinsonia anisata Sims.	Aerial part
115.	Elephant-ear	Colocasia L.	All species, all parts
116.	Cannabis	Cannabis sp.	All species, all parts
11/.	Forking Larkspur	Consolida regalis S.F. Gray	Fruits, seeds
	Coptis (Goldthread, Picrorhiza kurroa)	Coptis L.	All species, all parts
	Wild ginger	Asarum L.	All species, all parts, essential
110			oils from roots
119.			and rootstock
	Coriaria	Coriaria	and rootstock All species,

121. 122. 123. f 124. B 125. 126. T 127. 128. P 129. M 130. Y 131. W 132. S 134. B 135. S	Cornulaca leucantha Coscinium Eenestratum Belladonna Groundsel Crossopteryx kotschyana(Chymus kotschyanus) Crotalaria Purging croton Marsh parsley Cellowroot Vater-lily Common corncockle Bolomon's seal Burr chervil	Corynocarpus Laevigata Forst. Cornulaca leucantha Charif et Allen Coscinium fenestratum Colebr. Atropa belladonna L. Senecio L. Crossopteryx kotschyana Fenzl. Crotalaria L. Crotalaria L. Croton tiglium L. Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L.	Core, fruit Aerial part All parts All parts All species, aerial part Bark All species, all parts All parts Fruits All parts All parts All parts All parts
122. 123. f 124. B 125. G 126. T 127. C 128. P 129. M 130. Y 131. W 132. C 133. S 134. B 135. S	Coscinium Senestratum Belladonna Groundsel Crossopteryx kotschyana(Chymus kotschyanus) Crotalaria Purging croton Marsh parsley Cellowroot Vater-lily Common corncockle Solomon's seal	Cornulaca leucantha Charif et Allen Coscinium fenestratum Colebr. Atropa belladonna L. Senecio L. Crossopteryx kotschyana Fenzl. Crotalaria L. Croton tiglium L. Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	Aerial part All parts All parts All species, aerial part Bark All species, all parts All parts Fruits All parts All parts All species, all
122. 123. f 124. B 125. G 126. T 127. C 128. P 129. M 130. Y 131. W 132. C 133. S 134. B 135. S	Coscinium Senestratum Belladonna Groundsel Crossopteryx kotschyana(Chymus kotschyanus) Crotalaria Purging croton Marsh parsley Cellowroot Vater-lily Common corncockle Solomon's seal	et Allen Coscinium fenestratum Colebr. Atropa belladonna L. Senecio L. Crossopteryx kotschyana Fenzl. Crotalaria L. Croton tiglium L. Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	All parts All parts All species, aerial part Bark All species, all parts All parts Fruits All parts All parts All species, all
123. f 124. B 125. G 126. C T 127. C 128. P 129. M 130. Y 131. W 132. C 133. S 134. B 135. S	Eenestratum Belladonna Groundsel Crossopteryx kotschyana(Chymus kotschyanus) Crotalaria Purging croton Marsh parsley Cellowroot Vater-lily Common corncockle Golomon's seal	Colebr. Atropa belladonna L. Senecio L. Crossopteryx kotschyana Fenzl. Crotalaria L. Croton tiglium L. Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L.	All parts All species, aerial part Bark All species, all parts All parts Fruits All parts All parts All species, all
124. B 125. G 126. T 127. C 128. P 129. M 130. Y 131. W 132. C 133. S 134. B 135. S	Belladonna Groundsel Crossopteryx kotschyana(Chymus kotschyanus) Crotalaria Purging croton Marsh parsley Cellowroot Vater-lily Common corncockle Golomon's seal	Atropa belladonna L. Senecio L. Crossopteryx kotschyana Fenzl. Crotalaria L. Croton tiglium L. Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	All species, aerial part Bark All species, all parts All parts Fruits All parts All parts All species, all
125. G 126. C T 127. C 128. P 129. M 130. Y 131. W 132. C 133. S 134. B 135. S	Groundsel Crossopteryx kotschyana(Chymus kotschyanus) Crotalaria Purging croton Marsh parsley Cellowroot Vater-lily Common corncockle Golomon's seal	Senecio L. Crossopteryx kotschyana Fenzl. Crotalaria L. Croton tiglium L. Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	All species, aerial part Bark All species, all parts All parts Fruits All parts All parts All species, all
125. G 126. C T 127. C 128. P 129. M 130. Y 131. W 132. C 133. S 134. B 135. S	Groundsel Crossopteryx kotschyana(Chymus kotschyanus) Crotalaria Purging croton Marsh parsley Cellowroot Vater-lily Common corncockle Golomon's seal	Senecio L. Crossopteryx kotschyana Fenzl. Crotalaria L. Croton tiglium L. Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	All species, aerial part Bark All species, all parts All parts Fruits All parts All parts All species, all
126. C T 127. C 128. P 129. M 130. Y 131. W 132. C 133. S 134. B 135. S	Crossopteryx kotschyana(Chymus kotschyanus) Crotalaria Purging croton Marsh parsley Cellowroot Mater-lily Common corncockle Solomon's seal	Crossopteryx kotschyana Fenzl. Crotalaria L. Croton tiglium L. Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	aerial part Bark All species, all parts All parts Fruits All parts All parts All species, all
127. C 128. P 129. M 130. Y 131. W 132. C 133. S 134. B 135. S	Chymus kotschyanus) Crotalaria Purging croton Marsh parsley Cellowroot Mater-lily Common corncockle Solomon's seal	Fenzl. Crotalaria L. Croton tiglium L. Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	Bark All species, all parts All parts Fruits All parts All species, all
127. C 128. P 129. M 130. Y 131. W 132. C 133. S 134. B 135. S	Chymus kotschyanus) Crotalaria Purging croton Marsh parsley Cellowroot Mater-lily Common corncockle Solomon's seal	Fenzl. Crotalaria L. Croton tiglium L. Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	All species, all parts All parts Fruits All parts All species, all
127. 128. P 129. M 130. Y 131. W 132. C 133. S 134. B 135. S	Purging croton Marsh parsley Yellowroot Mater-lily Common corncockle Solomon's seal	Croton tiglium L. Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	parts All parts Fruits All parts All species, all
129. M 130. Y 131. W 132. C 133. S 134. B 135. S	Marsh parsley Zellowroot Mater-lily Common corncockle Solomon's seal	Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	Fruits All parts All species, all
129. M 130. Y 131. W 132. C 133. S 134. B 135. S	Marsh parsley Zellowroot Mater-lily Common corncockle Solomon's seal	Cyclospermum leptophyllum Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	All parts All species, all
130. ^Y 131. ^W 132. C 133. ^S 134. B 135. ^S	Zellowroot Water-lily Common corncockle Solomon's seal	Sprague Xanthorhiza simplicissima Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	All species, all
130. 131. 132. 133. 134. 135. S	Water-lily Common corncockle Golomon's seal	Marsh. (Zanthorhiza) Nuphar L. Agrostemma githago L.	All species, all
132.C 133. ^S 134.B 135. ^S	Common corncockle Solomon's seal	Agrostemma githago L.	
132.C 133. ^S 134.B 135. ^S	Common corncockle Solomon's seal		narts
133. ^S 134.B 135. ^S	Solomon's seal		Parco
133. ^S 134.B 135. ^S	Solomon's seal		All parts
134.B 135. ^S		Polygonatum L.	All species, all
135. ^S	umm chommil		parts
135. ^S		Anthriscus caucalis Bieb.	All parts
1	Sassafras	Sassafras officinale	All parts
136.		albium	
100.	Pokeweed (American pokeweed)	Phytolacca L.	All species, all parts
1	Lily-of-the-valley	Convallaria L.	All species, all
137.			parts
100	Vincetoxicum	Vincetoxicum sp.	All species, all
138.			parts
139.1	Latua venenosa	Latua venenosa Phil.	All parts
	Caucasian lily	Lilium monadelphum Bieb.	All parts
	Lindera oldhamii	Lindera oldhamii Hemsl.	Stem, leaves
	Lobelia	Lobelia L.	
142.		LODEIIA L.	All species, all parts
	Virgin's-bower	Clematis sp.	All species, all
140.	(Clematis)		parts
144.H	Blue Egyptian water lily	Nymphaea Caerulea	Leaves, petals
	Lophophora (Peyote)	Lophophora L.	All species, all
140	Manianamura	Maniana amura davadi T	parts
	Menispermum dauricum	Menispermum dauricum L.	All parts
	Common toadflax	Linaria vulgaris Mill.	All parts
148. ¹	Buttercups	Ranunculus L.	All species, aerial part
149.	Magnolia	Magnolia L.	All species, all parts
150.	Mahonia (Oregon	Mahonia Nutt.	All species, all
150	graperoot)		parts
100.		Papaver L.(P. Armenacum,	All parts, apart
(Poppy (Armenian,	P. Bracteatum, P. Dubium,	from seeds
]			
]]]	Bracteatum,		1
151.	Bracteatum, Long-headed,	P. Nudicaule, P.	
151.]	Bracteatum, Long-headed, Icelandic,		
151.]	Bracteatum, Long-headed, Icelandic, Opium)	P. Nudicaule, P. somniferum)	
151.]	Bracteatum, Long-headed, Icelandic,	P. Nudicaule, P.	All species,
151. 152.	Bracteatum, Long-headed, Icelandic, Opium) Macleaya	P. Nudicaule, P. somniferum) Macleaya	aerial part
151. I 152. I	Bracteatum, Long-headed, Icelandic, Opium) Macleaya Macrozamia spiralis	P. Nudicaule, P. somniferum) Macleaya Macrozamia spiralis Miq.	aerial part All parts
151. 1 152. 1 153. 1 154. 1	Bracteatum, Long-headed, Icelandic, Opium) Macleaya Macrozamia spiralis Medicinal mandrake	<pre>P. Nudicaule, P. somniferum) Macleaya Macrozamia spiralis Miq. Mandragora officinarum L.</pre>	aerial part All parts All parts
151. 1 152. 1 153. 1 154. 1	Bracteatum, Long-headed, Icelandic, Opium) Macleaya Macrozamia spiralis	P. Nudicaule, P. somniferum) Macleaya Macrozamia spiralis Miq.	aerial part All parts All parts All species,
151. 1 151. 1 152. 1 153. 1 154. 1	Bracteatum, Long-headed, Icelandic, Opium) Macleaya Macrozamia spiralis Medicinal mandrake	<pre>P. Nudicaule, P. somniferum) Macleaya Macrozamia spiralis Miq. Mandragora officinarum L.</pre>	aerial part All parts All parts
151. 1 152. 1 153. 1 154. 1	Bracteatum, Long-headed, Icelandic, Opium) Macleaya Macrozamia spiralis Medicinal mandrake	<pre>P. Nudicaule, P. somniferum) Macleaya Macrozamia spiralis Miq. Mandragora officinarum L.</pre>	aerial part All parts All parts All species,

			oil from seeds
156.	Cowwheat	Melampyrum sp.	All species, all parts
157.	Chamaecytisus ruthenicus (Broom)	Chamaecytisus ruthenicus, Ch. borysthenicus	All parts
158.	Chinaberry	Melia azedarach L.	All parts
159.	Myricaria	Myricaria L.	All species, all parts
160.	Mitragyna	Mitragyna L.	All species, all parts
161.	Savin juniper	Janiperus sabina L.	All parts
162.	Spurge	Euphorbia sp.	All species, all parts
163.	Globe thistle	Echinops L.	All species, fruits
164.	Hellebore	Helleborus L.	All species, all parts
165.	Male fern	Dryopteris filix mas Schott.	Rootstock
166.	Nutmeg	Myristica fragrans Hjuft	Fruit (nut)
167.	Common Soapwort (Bouncing Bet, Soaproot)	Saponaria officinalis L.	All parts
168.	Lousewort	Pedicularis sp.	All species, all parts
169.	Nandina	Nandina domestica Thunb.	Bark, root bark
170.	Foxglove	Digitalis sp.	All species, all parts
171.	Beak-leaved nauclea	Nauclea rhynchophylla Miq.	All parts
172.	Nectandra puchury-major	Nectandra puchury-major Nees et Mart.	Fruits
173.	Nemuaron humboldtii	Nemuaron humboldtii Bail.	Essential oil
174.	Figwort	Scrophularia sp.	All species, all parts
	Periploca	Periploca L.	All species, bark
176.	-	Odostemon aquifolium Rydb.	Roots
177.	Comfrey	Symphytum L.	All species, roots
178.	Oleander	Nerium L.	All species, all parts
179.	Water dropwort	Oenanthe sp.	All species, all parts
180.	Mistletoe (Dwarf lilyturf, White mistletoe)	Viscum L.	All species, all parts
181.		Orixa japonica Thunb.	All parts
182.	Short-stemmed sedge	Carex brevicollis DC.	Aerial part
183.	Locoweed	Oxytropis L.	All species, all parts
184.	Ocimum sanctum	Ocimum sanctum L.	All parts
185.	Crassula (Rupturewort, Stonecrop)	Sedum L.	All species, all parts
186.	Scarlet pimpernel Bean caper	Anagallis arvensis L. Zygophyllum L.	All parts All species, all
188.	Nightshade	Solatium sp.	parts All species, all
	Pelargonium (Geranium)	Pelargonium Willd.	parts All species, all

190.	Bryony	Bryonia L.	All species, roots
191	Piper betel	Piper betle L.	All parts
192.	Kava (Kava-kava)	Piper methysticum (kava- kava)	All parts
193.	Prammogeton canescens	Prammogeton canescens Vatke	Fruits
194.	Petalostylis labicheoides	Petalostylis labicheoides R. Br.	Aerial part
195.	Petrosimonia monandra	Petrosimonia monandra Bunge	Aerial part
196.	Hepatica	Anemone sp.	All species, all parts
197.		Galeopsis sp.	All species, all parts
198.	Ternate pinellia	Pinellia ternata Britenbach	Stem
199.	Paeonia anomalae	Paeonia anomalae L.	All parts
200.		Piptadenia peregrina Benth.	Bark
	Florida fishpoison tree	Piscidia erythrina L.	All parts
202.	Poison darnel	Lolium temulentum L.	Fruits
203.	Dodder	Cuscuta L.	All species, all parts
204.	Rattlebox	Rhinanthus L.	All species, all parts
205.	May apple	Podophyllum L.	All species, root and rootstock
206.	Voronov's snowdrop	Galanthus woronowii Lozinsk.	All parts
207.	Wormwood	Artemisia taurica Willd.	Aerial part, essential oils from all parts
208.	Levant wormseed	Artemisia cina Berg. Ex Poljak.	Aerial part, essential oils from all parts
209.	Mercury	Mercurialis L.	All species, all parts
210.	Pasque flower	Pulsatilla sp.	All species, all parts
211.	Psilocaulon absimile	Psilocaulon absimile N.E.Br.	Aerial part
212.	Physochlaina	Physochlaina L.	All species, all parts
213.	Corn smut	Ustilago maydis DC.	All parts
214.	Floating bladderwort	Utricularia physalis	Aerial part
215.	Ramona stachyoides	Ramona stachyoides Briq.	All parts
216.	Rauvolfia heterophylla	Rauvolfia heterophylla Roem. et Schult.	All parts
217.	Roemeria refracta	Roemeria refracta DC.	All parts
218.	Bur buttercup	Ceratocephala L.	All species, all parts
219.	Rhododendron	Rhododendron sp.	All species, all parts
220.	Hawaiian Baby Woodrose	Argyreia nervosa; Hawaiian Baby Woodrose	All parts
221.	Ruta	Ruta L.	All species, all parts
222.	Fishberry	Ref. Anamirta cocculus	_
	Fritillaria ussuriensis	Fritillaria ussuriensis	All parts
223.		Maxim.	1
224.	False sago palm	Cycas circinalis L.	Seeds
----------------------	---	--	--
	Fern palm	Cycas revoluta Thunb.	Seeds
	Saksaul	Haloxylon L.	All species,
226.			leaves,
			stem
227.	Bloodwort	Sanguinaria canadensis L.	Roots
228.	Sarcolobus	Sarcolobus R. Br.	All species, all
220.			parts
229.	Sarcocephalus	Sarcocephalus Afzel.	All species, all
229.			parts
230.	Haloxylon articulatum	Haloxylon articulatum	Leaves, stems
200.		Bunge	
	Sassafras	Sassafras albidum (Nutt.)	All parts,
231.		Nees.	essential oils
			from roots and
			wood
	Suaeda physophora	Suaeda physophora L.	All parts
233.	Leadwort	Plumbago europaea L.	All parts
234.	Seidlitzia rosmarinus	Seidlitzia rosmarinus	Leaves, stem
	Socurinoca	Bunge Securinega L.	
235.	Securinega	Securinega L.	All species,
236.	Siegesbeckia orientalis	Signaphonkin priortalia I	shoots All parts
200.	Simmondsia	Siegesbeckia orientalis L. Simmondsia californica	Seeds
237.		Nutt.	
237.	(Jojoba)	Nucc.	
238.	Blueweed	Echium vulgaris L.	All parts
	Sceletium tortuosum	Sceletium tortuosum	All parts
	Scopolia	Scopolia L.	All species, all
240.	-	-	parts
241.	Smodingium argutum	Smodingium argutum E. Mey	All parts
242.	Shrubby glasswort	Salicornia fruticosa L.	Leaves, stem
243.	Spineless saltwort	Salsola australis R. Br. (All parts
243.	(Russian thistle)	= S. ruthenica lljin)	
244.	Aleppo sorgho (Aleppo	Sorghum halepense (L.)	All parts
211.	grass, Johnson grass)	Pers.	
245.	Ergot (ergot fungi)	Claviceps sp.	All species, all
2101			parts
246.		Stellera chamaejasme L.	All parts
247.	Stephania	Stephania L.	All species,
			tubers and roots
248.	Strictocardia	Strictocardia tiliaefolia	Seeds
249.	tiliaefolia Strophanthus kombe	Hall. Strophanthus kombe Oliv.	All parts
	Sphaerophysa salsula	Sphaerophysa salsula	All parts All parts
250.	Spinaciophysa saisuta	(Pall.) DC.	TITT PULCO
	Tobacco	Nicotiana L.	All species, all
251.			parts
252.	Tabernanthe iboga	Tabernanthe iboga Baill	All parts
	Black bryony (Lady's	Tamus communis L.	All parts
253.	seal)		-
054	Tauschia	Tauschia Schltdl.	All species, all
254.			parts
	Thermopsis alpina (Thermopsis alpine L.	Aerial part
	Thermopsis, Heath		
	ineimopsis, neach		
	stitchwort)		
	-	Tinospora cordifolia Miers	All parts
256.	stitchwort)	Tinospora cordifolia Miers Taxus L.	All parts All species, all
	stitchwort) Guduchi Yew		
256.	stitchwort) Guduchi Yew Orange climber	Taxus L. Toddalia asiatica Lam.	All species, all
256. 257. 258.	stitchwort) Guduchi Yew	Taxus L. Toddalia asiatica Lam. Toxicodendron L. (= Rhus	All species, all parts All parts All species, all
256. 257.	stitchwort) Guduchi Yew Orange climber	Taxus L. Toddalia asiatica Lam.	All species, all parts All parts All species, all

	m 1 '	Turbina corymbosa	Seeds
260.	Turbina corymbosa	Turbina Corymbosa	seeds
261.	(Ololiuqui, Ololiuhqui) Turbina corymbosa	Turbina corymbosa Raf.	Seeds
201.	Cockle	Viccaria sp.	All species, all
262.		viccaria sp.	parts
263.	Ungernia victoris	Ungernia victoris Vved. ex Artjushenko	
264.	Ungernia Sewertzowii	Ungernia. Sewertzowii (Regel) B.Fedtsch.	All parts
265.		Unona odoratissima Blanco	Flowers
266.		Fibraurea tinctoria Lour.	All parts
267.	Physochlaina alica	Physochlaina alaica Korotk.	Roots
268.	Physochlaina orientalis	Physochlaina orientalis G. Don f.	Roots
269.	Willow-leaf Heimia	Heimia salicifolia	Aerial part
270.	Cinchona	Cinchona succirubra Pavon.	Bark
271.	Horseradish tree	Moringa oleifera Lam.	All parts
272.	Corydalis	Corydalis sp.	All species, all parts
273.	Hunnemannia fumariaefolia	Hunnemannia fumariaefolia Sweet	All parts
274.	Cephalanthus occidentalis	Cephalanthus occidentalis L.	Aerial part
275.	Cyclamen adsharicum	Cyclamen adsharicum Pobed.	All parts
276.	Cyclamen europaeum	Cyclamen europaeum L.	All parts
277.	Citronella Grass	Cymbopogon winterianus Jowitt.	Essential oils from all parts
278.	Sandfly Zieria	Zieria smithii Andr.	Aerial part, essential oils from all parts
279.	Hellebore	Veratrum sp.	All species, all parts
280.	Common houndsberry (Gypsy-flower)	Cynoglossum officinalis L.	All parts
281.	Strychnine tree (Poison nut)	Strychnos L.	All species, seeds
282.	Vetchling	Lathyrus sp.	All species, all parts
283.	Marsh woundwort	Stachys palustris L.	All parts
284.	Rough hedge woundwort	Stachys aspera Michx.	Aerial part
285.	Celandine	Chelidonium L.	All species, aerial part
000	Fig-root buttercup	Ficaria calthifolia	All parts
286.	(Buttercup ficaria)	Reichenb., F. verna Huds.	
287.	Diviner's Sage	Salvia divinorum	Leaves
288.	Schanginia baccata	Schanginia baccata Moq.	Loomog chocta
	Evodia meliefolia	Evodia meliefolia Benth.	Leaves, shoots All parts
	Evodia simplex	Evodia simplex Cordem.	All parts
	Encephalartos barkeri	Encephalartos barkeri	All parts
291.	-	Carruth. et Miq.	
292.	Echinopsis	Echinopsis	All species, aerial part
	ief State Sanitary Inspec	dments No.19, approved by Retor of the RF dated 10.08.20	010
293.	Ephedra	Ephedra sp.	All species, all parts
294.	Burnut	Tribulus L.	All species, all parts
295.	Vera Cruz Jalap	Ipomoea purga (Wend.) Hayne	All parts

Tatoorbiga palmata	Jateorhiza palmata (Lam.)	All parts
Jateorhiza palmata 296. (Columba)	Miers. (Jatrorrhiza	AII PAICS
	columba (Roxb.) Miers.)	
297.Ailanthus		Aerial part
(Clause 297 was introduced by 2		*
102 of Chief State Sanitary In		
298. Devil tree	Alstonia venenata R.Br.	Bark
(Clause 298 was introduced by 2	Amendments No. 19, approved	by Resolution No.
102 of Chief State Sanitary In		
299. Giant reed	Arundo donax L.	Flowers
(Clause 299 was introduced by 2	Amendments No. 19, approved	by Resolution No.
102 of Chief State Sanitary In:	spector of the RF dated 10.0	08.2010)
300. Aphanamixis	Aphanamixis grandiflora	Seeds
grandifiora	Blume	
(Clause 300 was introduced by 2		
102 of Chief State Sanitary In:		
*		Aerial part
(Clause 301 was introduced by 2		_
102 of Chief State Sanitary In: 302. Wild croton	Baliospermum Montana	Root, rootstock
302.	Muell. Arg	LOUL, LOULSLUCK
(Clause 302 was introduced by 2		by Resolution No.
102 of Chief State Sanitary In		
Banisteriopsis	Banisteriopsis	All species, all
303.		parts
(Clause 303 was introduced by 2	Amendments No. 19, approved	by Resolution No.
102 of Chief State Sanitary In:	spector of the RF dated 10.0	08.2010)
304. Velvet bean	Mucuna pruriens DC	Seeds
(Clause 304 was introduced by 2		
102 of Chief State Sanitary In:		
305. Baileya multiradiata	Baileya multiradiata Harv.	Aerial part
	et Gray	
(Clause 305 was introduced by 2 102 of Chief State Sanitary In:		
Virola	Virola	All species,
306.		aerial part
(Clause 306 was introduced by 2	Amendments No. 19, approved	*
102 of Chief State Sanitary In		
307. Indian blanket	Gaillardia pulchella Foug.	
(Clause 307 was introduced by 2		
102 of Chief State Sanitary In:	spector of the RF dated 10.0	08.2010)
308. British inula	Inula Britannica L.	Flowers,
		aerial part
(Clause 308 was introduced by 2		-
102 of Chief State Sanitary Ins		08.2010)
309. Inula oculus-christi	Inula oculus-christi L.	Aerial part
		by Resolution No.
(Clause 309 was introduced by 2 102 of Chief State Sanitary In:	spector of the RF dated 10.0	
		All species,
102 of Chief State Sanitary In: 310. Delosperma	spector of the RF dated 10.(Delosperma	All species, aerial part
102 of Chief State Sanitary In: 310. Delosperma (Clause 310 was introduced by 2	spector of the RF dated 10.0 Delosperma Amendments No. 19, approved	All species, aerial part by Resolution No.
02 of Chief State Sanitary In: 310. Delosperma Clause 310 was introduced by 2 02 of Chief State Sanitary In:	spector of the RF dated 10.0 Delosperma Amendments No. 19, approved spector of the RF dated 10.0	All species, aerial part by Resolution No. 08.2010)
02 of Chief State Sanitary In: 310. Clause 310 was introduced by 2 02 of Chief State Sanitary In: 311. Desmodium racemosum	spector of the RF dated 10.0 Delosperma Amendments No. 19, approved spector of the RF dated 10.0 Desmodium racemosum DC	All species, aerial part by Resolution No. 08.2010) Aerial part
102 of Chief State Sanitary In: 310. Delosperma (Clause 310 was introduced by 2 102 of Chief State Sanitary In: 311. Desmodium racemosum (Clause 311 was introduced by 2	spector of the RF dated 10.0 Delosperma Amendments No. 19, approved spector of the RF dated 10.0 Desmodium racemosum DC Amendments No. 19, approved	All species, aerial part by Resolution No. 08.2010) Aerial part by Resolution No.
Clause 310 was introduced by 2 310. Clause 310 was introduced by 2 02 of Chief State Sanitary Ins 311. Desmodium racemosum Clause 311 was introduced by 2 02 of Chief State Sanitary Ins Desmodium pulchellum	spector of the RF dated 10.0 Delosperma Amendments No. 19, approved spector of the RF dated 10.0 Desmodium racemosum DC Amendments No. 19, approved spector of the RF dated 10.0	All species, aerial part by Resolution No. 08.2010) Aerial part by Resolution No. 08.2010)
02 of Chief State Sanitary In: 310. Clause 310 was introduced by 2 02 of Chief State Sanitary In: 311. Desmodium racemosum Clause 311 was introduced by 2 02 of Chief State Sanitary In:	spector of the RF dated 10.0 Delosperma Amendments No. 19, approved spector of the RF dated 10.0 Desmodium racemosum DC Amendments No. 19, approved spector of the RF dated 10.0 Desmodium pulchellum	All species, aerial part by Resolution No. 08.2010) Aerial part by Resolution No.
Clause 310 was introduced by 2 310. Clause 310 was introduced by 2 02 of Chief State Sanitary Ins 311. Desmodium racemosum Clause 311 was introduced by 2 02 of Chief State Sanitary Ins 312. Desmodium pulchellum	spector of the RF dated 10.0 Delosperma Amendments No. 19, approved spector of the RF dated 10.0 Desmodium racemosum DC Amendments No. 19, approved spector of the RF dated 10.0 Desmodium pulchellum Benth.	All species, aerial part by Resolution No. 08.2010) Aerial part by Resolution No. 08.2010) Aerial part
Clause 310 was introduced by 2 310. Clause 310 was introduced by 2 02 of Chief State Sanitary Inst 311. Desmodium racemosum Clause 311 was introduced by 2 02 of Chief State Sanitary Inst 312. Desmodium pulchellum Clause 312 was introduced by 2	spector of the RF dated 10.0 Delosperma Amendments No. 19, approved spector of the RF dated 10.0 Desmodium racemosum DC Amendments No. 19, approved spector of the RF dated 10.0 Desmodium pulchellum Benth. Amendments No. 19, approved	All species, aerial part by Resolution No. 08.2010) Aerial part by Resolution No. 08.2010) Aerial part by Resolution No.
102 of Chief State Sanitary In: 310. Delosperma (Clause 310 was introduced by 2 102 of Chief State Sanitary In: 311. Desmodium racemosum (Clause 311 was introduced by 2 102 of Chief State Sanitary In: 312. Desmodium pulchellum (Clause 312 was introduced by 2 102 of Chief State Sanitary In: 102 of Chief State Sanitary In: 102 of Chief State Sanitary In: 103 of Chief State Sanitary In: 104 of Chief State Sanitary In: 105 of Chief State Sanitary I	spector of the RF dated 10.0 Delosperma Amendments No. 19, approved spector of the RF dated 10.0 Desmodium racemosum DC Amendments No. 19, approved spector of the RF dated 10.0 Desmodium pulchellum Benth. Amendments No. 19, approved	All species, aerial part by Resolution No. 08.2010) Aerial part by Resolution No. 08.2010) Aerial part by Resolution No.
102 of Chief State Sanitary In: 310. Delosperma (Clause 310 was introduced by 2 02 of Chief State Sanitary In: 311. Desmodium racemosum (Clause 311 was introduced by 2 102 of Chief State Sanitary In: 312. Desmodium pulchellum (Clause 312 was introduced by 2 02 of Chief State Sanitary In: 02 of Chief State Sanitary In: 03 of Chief State Sanitary In: 04 of Chief State Sanitary In: 05 of Chief State Sanitary In: 06 of Chief State Sanitary In: 07 of Chief State Sanitary In: 08 of Chief State Sanitary In: 09 of Chief State Sanitary In: 00 of Chief State Sanitary II 00 of Chief State Sanitary	spector of the RF dated 10.0 Delosperma Amendments No. 19, approved spector of the RF dated 10.0 Desmodium racemosum DC Amendments No. 19, approved spector of the RF dated 10.0 Desmodium pulchellum Benth. Amendments No. 19, approved spector of the RF dated 10.0	All species, aerial part by Resolution No. 08.2010) Aerial part by Resolution No. 08.2010) Aerial part by Resolution No. 08.2010)
02 of Chief State Sanitary In: 310. Delosperma (Clause 310 was introduced by 2 02 of Chief State Sanitary In: 311. Desmodium racemosum (Clause 311 was introduced by 2 02 of Chief State Sanitary In: 312. Desmodium pulchellum (Clause 312 was introduced by 2 02 of Chief State Sanitary In: 02 of Chief State Sanitary In: 02 of Chief State Sanitary In: 03 of Chief State Sanitary In: 04 of Chief State Sanitary In: 05 of Chief State Sanitary In: 06 of Chief State Sanitary In: 07 of Chief State Sanitary In: 08 of Chief State Sanitary In: 09 of Chief State Sanitary In: 00 of Chief State Sanitary II: 00 of Chief State S	spector of the RF dated 10.0 Delosperma Amendments No. 19, approved spector of the RF dated 10.0 Desmodium racemosum DC Amendments No. 19, approved spector of the RF dated 10.0 Desmodium pulchellum Benth. Amendments No. 19, approved spector of the RF dated 10.0 Dicentra	All species, aerial part by Resolution No. 08.2010) Aerial part by Resolution No. 08.2010) Aerial part by Resolution No. 08.2010) All species, all parts

314. Duboisia (Corkwood Tree)	Duboisia	All species,
		aerial part
(Clause 314 was introduced by 2		_
102 of Chief State Sanitary In		
315. Eubotryoides grayana	Eubotryoides grayana Hara	
(Clause 315 was introduced by 2		-
102 of Chief State Sanitary In:	Illiciaceae	
Illiciaceae	IIIICIACEAE	All species,
316.		seeds,
		leaves
(Clause 316 was introduced by 2		
102 of Chief State Sanitary In:		
	Phalaris tuberosa L.	Aerial part
(Clause 317 was introduced by 2		-
102 of Chief State Sanitary In:		
318. Pilulare nettle	Urtica pilulifera L.	Aerial part
(Clause 318 was introduced by 2		-
102 of Chief State Sanitary In:		
_	Lespedeza bicolor Turcz	Leaves,
319.		bark,
		rootstock
(Clause 319 was introduced by A		
102 of Chief State Sanitary In		
320. Silverberry	_	All species,
		aerial part
(Clause 320 was introduced by 2		
102 of Chief State Sanitary In:		
321. Mammillaria	Mammillaria	All species,
		aerial part
(Clause 321 was introduced by 2		-
102 of Chief State Sanitary In:	spector of the RF dated 10.0	
Mostuce etimulers		
322. Mostuea stimulans	Mostuea stimulans A.	Aerial part
322.	Cheval	da.
(Clause 322 was introduced by 2	Cheval Amendments No. 19, approved	by Resolution No.
(Clause 322 was introduced by 2 102 of Chief State Sanitary In:	Cheval Amendments No. 19, approved spector of the RF dated 10.0	by Resolution No. 08.2010)
(Clause 322 was introduced by 2	Cheval Amendments No. 19, approved	by Resolution No. 08.2010) Essential oil
322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina	by Resolution No. 08.2010) Essential oil from leaves
322. (Clause 322 was introduced by 2 102 of Chief State Sanitary Ins 323. Peumus boldus (Clause 323 was introduced by 2	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved	by Resolution No. 8.2010) Essential oil from leaves by Resolution No.
322. (Clause 322 was introduced by 2 102 of Chief State Sanitary Ins 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary Ins	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0	by Resolution No. 08.2010) Essential oil from leaves by Resolution No. 08.2010)
322. (Clause 322 was introduced by 2 102 of Chief State Sanitary Ins 323. Peumus boldus (Clause 323 was introduced by 2	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved	by Resolution No. 08.2010) Essential oil from leaves by Resolution No. 08.2010) All species, all
322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia	by Resolution No. 08.2010) Essential oil from leaves by Resolution No. 08.2010) All species, all parts
322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved	by Resolution No. 08.2010) Essential oil from leaves by Resolution No. 08.2010) All species, all parts by Resolution No.
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. (Clause 324 was introduced by 2 102 of Chief State Sanitary In:</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010)
322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils
322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq.	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts
322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No.
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 325.</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010)
322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L.	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 103 control (Clause 326 was introduced by 2 104 control (Clause 326 was introduced by 2 105 control (Clause 326 was introduced b</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved	by Resolution No. 18.2010) Essential oil from leaves by Resolution No. 18.2010) All species, all parts by Resolution No. 18.2010) Essential oils from aerial parts by Resolution No. 18.2010) Stem, leaves by Resolution No.
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves by Resolution No. 98.2010)
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 103 control (Clause 326 was introduced by 2 104 control (Clause 326 was introduced by 2 105 control (Clause 326 was introduced b</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal	by Resolution No. 18.2010) Essential oil from leaves by Resolution No. 18.2010) All species, all parts by Resolution No. 18.2010) Essential oils from aerial parts by Resolution No. 18.2010) Stem, leaves by Resolution No.
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 327. Schoenocaulon officinal</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus A. Gray	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves by Resolution No. 8.2010) Stem, leaves
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 327. Schoenocaulon officinal (Clause 327 was introduced by 2 (Clause 327 was introduced by 3 (Clause 3 (Cla</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus A. Gray Amendments No. 19, approved	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves by Resolution No. 8.2010) Seeds by Resolution No.
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 327. Schoenocaulon officinal (Clause 327 was introduced by 2 102 of Chief State Sanitary In: 327.</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus A. Gray Amendments No. 19, approved spector of the RF dated 10.0	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves by Resolution No. 8.2010) Seeds by Resolution No. 8.2010)
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 327. Schoenocaulon officinal (Clause 327 was introduced by 2 (Clause 327 was introduced by 3 (Clause 3 (Cla</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus A. Gray Amendments No. 19, approved	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves by Resolution No. 8.2010) Steds by Resolution No. 8.2010) All species,
<pre>322. (Clause 322 was introduced by 7 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 7 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 7 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 7 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 7 102 of Chief State Sanitary In: 327. Schoenocaulon officinal (Clause 327 was introduced by 7 102 of Chief State Sanitary In: 328. Trichocereus</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus A. Gray Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves by Resolution No. 8.2010) Seeds by Resolution No. 8.2010) All species, aerial part
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 327. Schoenocaulon officinal (Clause 327 was introduced by 2 102 of Chief State Sanitary In: 328. Trichocereus (Clause 328 was introduced by 2 102 of Chief State Sanitary In: 328.</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus A. Gray Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus Amendments No. 19, approved	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves by Resolution No. 8.2010) Steds by Resolution No. 8.2010) All species, aerial part by Resolution No.
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 327. Schoenocaulon officinal (Clause 327 was introduced by 2 102 of Chief State Sanitary In: 328. Trichocereus (Clause 328 was introduced by 2 102 of Chief State Sanitary In: 328.</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus A. Gray Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus Amendments No. 19, approved spector of the RF dated 10.0	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves by Resolution No. 8.2010) Steeds by Resolution No. 8.2010) Seeds by Resolution No. 8.2010) All species, aerial part by Resolution No. 8.2010)
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 327. Schoenocaulon officinal (Clause 327 was introduced by 2 102 of Chief State Sanitary In: 328. Trichocereus (Clause 328 was introduced by 2 102 of Chief State Sanitary In: 328.</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus A. Gray Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves by Resolution No. 8.2010) Steeds by Resolution No. 8.2010) Seeds by Resolution No. 8.2010) All species, aerial part by Resolution No. 8.2010)
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 327. Schoenocaulon officinal (Clause 327 was introduced by 2 102 of Chief State Sanitary In: 328. Trichocereus (Clause 328 was introduced by 2 102 of Chief State Sanitary In: 328. Common reed</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus A. Gray Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves by Resolution No. 8.2010) Seeds by Resolution No. 8.2010) Seeds by Resolution No. 8.2010) All species, aerial part by Resolution No. 8.2010) Resolution No. 8.2010) Resolution No.
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 327. Schoenocaulon officinal (Clause 327 was introduced by 2 102 of Chief State Sanitary In: 328. Trichocereus (Clause 328 was introduced by 2 102 of Chief State Sanitary In: 329. Common reed (Clause 329 was introduced by 2 (Clause 329 was introduced by 2 (Cla</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus A. Gray Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Phragmites Australia Trin. ex Steud. Amendments No. 19, approved	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves by Resolution No. 8.2010) Seeds by Resolution No. 8.2010) Seeds by Resolution No. 8.2010) All species, aerial part by Resolution No. 8.2010) Resolution No. 8.2010) Resolution No. 8.2010) Resolution No. 8.2010) Rootstock by Resolution No.
<pre>322. (Clause 322 was introduced by 2 102 of Chief State Sanitary In: 323. Peumus boldus (Clause 323 was introduced by 2 102 of Chief State Sanitary In: 324. Piptadenia (Clause 324 was introduced by 2 102 of Chief State Sanitary In: 325. Roubieva multifida (Clause 325 was introduced by 2 102 of Chief State Sanitary In: 326. Common box tree (Clause 326 was introduced by 2 102 of Chief State Sanitary In: 327. Schoenocaulon officinal (Clause 327 was introduced by 2 102 of Chief State Sanitary In: 328. Trichocereus (Clause 328 was introduced by 2 102 of Chief State Sanitary In: 328. Common reed</pre>	Cheval Amendments No. 19, approved spector of the RF dated 10.0 Peumus boldus Molina Amendments No. 19, approved spector of the RF dated 10.0 Piptadenia Amendments No. 19, approved spector of the RF dated 10.0 Roubieva multifida Moq. Amendments No. 19, approved spector of the RF dated 10.0 Buxus sempervirens L. Amendments No. 19, approved spector of the RF dated 10.0 Schoenocaulon officinal Trichocereus A. Gray Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Trichocereus Amendments No. 19, approved spector of the RF dated 10.0 Phragmites Australia Trin. ex Steud. Amendments No. 19, approved	by Resolution No. 8.2010) Essential oil from leaves by Resolution No. 8.2010) All species, all parts by Resolution No. 8.2010) Essential oils from aerial parts by Resolution No. 8.2010) Stem, leaves by Resolution No. 8.2010) Seeds by Resolution No. 8.2010) Seeds by Resolution No. 8.2010) All species, aerial part by Resolution No. 8.2010) Resolution No. 8.2010) Resolution No. 8.2010) Resolution No. 8.2010) Rootstock by Resolution No.

330 Forula gummona	Forula gummona Datas	Soods
330. Ferula gummosa	Ferula gummosa Boiss	Seeds
(Clause 330 was introduced by 1 102 of Chief State Sanitary In	spector of the RF dated 10.0	-
331. Chamaedaphne calyculata (Sweet gale)	Chamaedaphne calyculata Moench	Aerial part
(Clause 331 was introduced by 2 102 of Chief State Sanitary In		
332. Haplophyllum	Haplophyllum	All species, all parts
(Clause 332 was introduced by 2		by Resolution No.
102 of Chief State Sanitary In. 333.Eriophyllum	Eriophyllum	All species, bark
(Clause 333 was introduced by 2		1 1
102 of Chief State Sanitary In		
334. White Dittany		Leaves, fruits
(Clause 334 was introduced by 2		
102 of Chief State Sanitary In	spector of the RF dated 10.0	08.2010)
Calamus root	Acorus calamus L.	Rootstock,
335.		essential oil, leaves
(Clause 335 was introduced by A		-
30 of Chief State Sanitary Ins	-	.2011)
Japanese sweet flag	Acorus gramineus Soland.	Rootstock,
336.	(= A. pusillus Sieb.)	essential oil, leaves
(Clause 336 was introduced by 2	Amendments No. 23, approved	by Resolution No.
30 of Chief State Sanitary Ins		
337.Bienertia cycloptera	Bienertia cycloptera Bunge	Aerial part
(Clause 337 was introduced by 1	Amendments No. 23, approved	by Resolution No.
30 of Chief State Sanitary Ins	pector of the RF dated 11.04	.2011)
338.Bassia cycloptera	Bassia cycloptera Bunge	
(Clause 338 was introduced by 1		
30 of Chief State Sanitary Ins		
339. Earth Chestnut	Bunium persicum B. Fedtsch.	All parts
(Clause 339 was introduced by 2		by Resolution No.
30 of Chief State Sanitary Ins		-
340. Bunium cylindricum	Bunium cylindricum Drude	Aerial part and its essential oil
(Clause 340 was introduced by 2	I Amendments No. 23 approved	
30 of Chief State Sanitary Ins		-
341. Chin cactus	Gymnocalycium	Aerial part
(Clause 341 was introduced by 2		
30 of Chief State Sanitary Ins		
342. Ribbon grass	Phalaris tuberose L.	Aerial part
(Clause 342 was introduced by 2		*
30 of Chief State Sanitary Ins		-
343. Jointed anabis	Anabasis articulate	Aerial part
		A
(Clause 343 was introduced by 2 30 of Chief State Sanitary Insp		-
344. Tarhana herb	Echinophoria sibthorpiana	Aerial part
	Huss	1
(Clause 344 was introduced by 2		-
30 of Chief State Sanitary Insp 345. Colocynth	Citrullus colocynthis	Fruit (powder,
(Clause 345 was introduced by 2	Schrad. Amendments No. 23, approved	extract) by Resolution No.
30 of Chief State Sanitary Ins		
346. Nipple Beehive Cactus	Coryphantha micromeris	The whole
5-0.	Lern.	plant
(Clause 346 was introduced by 2	Amendments No. 23, approved	1
30 of Chief State Sanitary Insp		-

r										
347.	Saltbush	Artriplex nummularia	Aerial part							
547.		Lindl.								
(Claus	(Clause 347 was introduced by Amendments No. 23, approved by Resolution No.									
30 of	30 of Chief State Sanitary Inspector of the RF dated 11.04.2011)									
348.	Korean mint	Agastache rugosa O.Kuntze	Essential oil							
(Claus	e 348 was introduced by A	Amendments No. 23, approved	by Resolution No.							
30 of	Chief State Sanitary Insp	pector of the RF dated 11.04	.2011)							
		Mosla dianthera L.								
(Claus	se 349 was introduced by A	Amendments No. 23, approved	by Resolution No.							
30 of	Chief State Sanitary Insp	pector of the RF dated 11.04	.2011)							
350.	Flat-fruit orlaya	Orlaya daucoides	Fruit (essential							
350.	_	-	oil)							
(Clau	se 350 was introduced by	Amendments No. 23, approved	by Resolution No.							
	30 of Chief State S	anitary Inspector of the RF	dated 11.04.2011)							
351.	Orthodon asaroniferum	Orthodon asaroniferum	Aerial part							
(Claus	e 351 was introduced by A	Amendments No. 23, approved	by Resolution No.							
	_	pector of the RF dated 11.04	-							
352.	Garden Parsley	Petroselinum crispuma	Fruit (essential							
352.		A.W.Hill.	oil)							
(Clau	se 352 was introduced by	Amendments No. 23, approved	by Resolution No.							
	-		- 30							
of Chi	of Chief State Sanitary Inspector of the RF dated 11.04.2011)									
L										

(Section 1 as amended by Amendments and Additions No. 15, approved by Resolution No. 73 of Chief State Sanitary Inspector of the RF dated 08.12.2009)

2. Substances uncharacteristic of food, edible and medical plants.

3. Unnatural synthetic substances - analogues of primary active elements of medical plants (not being the essential nutritive factors).

4. Antibiotics

5. Hormones.

6. Organs and tissues of animals, and their derived products which are specified risk materials for prion diseases (Transmissible Spongiform Encephalopathy):

Of bovine cattle:

- skull, apart from lower jaw bone, including brain, eyes and spinal cord of an animal of more than 12 months old;

- vertebral column, including tail part, spinous and transverse processes of cervical, thoracic and lumbar parts of the spinal column, median sacral crest and alas of the sacrum, including dorsal root ganglions of an animal of more than 30 months old;

tonsils, intestine from duodenum through rectum and mesentery of animals of any age.

Of sheep (rams) and goats:

- skull, including brain, eyes, tonsils and spinal cord of an animal of more than 12 months old or having permanent incisors cut through gums;

- spleen and intestine of animals of any age
- Products containing or consisting of materials from ruminant animals:
- mechanically deboned meat;
- gelatine (apart from gelatine produced from skin of ruminant animals);
- rendered fat from ruminant animals and derived products.

Objects of animal origin: Seven-spotted ladybird (Coccinella septempunctata L.), the whole body; Scorpion (Scorpiones L.), the whole body; Spanish fly (Lytta sp.), all species, the whole body.

When importing raw materials into the territory of the Russian Federation for production of food products and biologically active food additives produced with the use of raw materials of animal origin, it is necessary to take into consideration the epizootological situation with regard to Transmissible spongiform encephalopathy (including Bovine spongiform encephalopathy) in the country of the manufacturing company of such components.

(Section 6 as amended by Amendments and Additions No. 15, approved by Resolution No. 73 of Chief State Sanitary Inspector of the RF dated 08.12.2009)

7. Human tissues and organs.

8. Representatives of genera and species of bacteria containing strains which may cause human diseases and may be gene vectors of antibiotic resistance, including:

- sporogenous aerobic and anaerobic microorganisms - representatives of genera Bacillus (including B. polimyxa, B.cereus, B.megatherium, B.thuringiensis, B.coagulans (obsolete name - Lactobacillus coagulans), B.subtilis, B.licheniformis and other species) and Clostridium;

microorganisms of genera Escherichia, Enterococcus, Corynebacterium spp.;

- microorganisms having hemolytic activity;

- viable yeast and yeastlike fungi, including representatives of genera Candida; actinomycetes, streptomyces;

- all genera and species of microscopic mold fungi;

- sporeless microorganisms derived from animal and bird organisms and uncharacteristic of normal protective human microflora, including representatives of genera Lactobacillus.

(Section 8 as amended by Amendments and Additions No. 15, approved by Resolution No. 73 of Chief State Sanitary Inspector of the RF dated 08.12.2009)

9. Plants and Their Derived Products the Usage of Which is Prohibited in Production of Single-Component Biologically Active Food Additives:

No.	Name of Plants	Name of Plants in Latin	Parts of Plants
1	2	3	4
1	Japanese angelica tree, Manchurian aralia	Arali elata (Miq.) Seem. = Arali mandshurica Rupr. et Maxim.	All parts
2	African Plum	Pygeum africanum	Bark
3	Valerian	Valeriana L.	All species, root and rootstock
4	Maidenhair Tree	Ginkgo biloba L.	Aerial part
5	Gymnema sylvestre	Gymnema sylvestre	All parts
6	Wild yam, Dioscorea villosa	Dioscorea villosa	Rootstock
7	Ginseng	Ginseng	All species, all parts
8	Devil's-club, planch	Oplopanax elatus Nakai = Echinopanax elatus Nakai	All parts
9	St. John's wort		All species, all parts
10	Butcher's broom	Ruscus aculeatus (Butcher 's Broom)	All parts
11	Yohimbe (Pausinystalia yohimbe)	Pausinystalia yohimbe (K. Schum.) Pierre ex Beile	All parts
12	Five flavor berry	Schisandra chinensis (Turcz.) Baill.	All parts
13	Muira puama	Muira puama (Liriosma jvata)	All parts
14	Tabebuia heptaphylla, Pau d'arco	Tabebuia heptaphylla	Bark
15	Roseroot, Golden Root	Rhodiola rosea L.	All parts
16	Damiana	Turnera Diffusa	All parts
17	Spiny eleuterococcus	Eleutherococcus senticosus (Rupr. et Maxim.) Maxim = Aconthopanax senticosus (Rupr. et Maxim.) Harms	All parts
18	Adam's needle	Yucca filamentosa	Leaves

(Section 9 as amended by Amendments and Additions No. 15, approved by Resolution No. 73 of Chief State Sanitary Inspector of the RF dated 08.12.2009)

Annex 6 to SanPiN 2.3.2.1078-01, approved by Resolution No. 36 of the Chief State Sanitary Inspector of the RF dated November 14, 2001

PARASITOLOGIC SAFETY INDICES OF FISH, CRUSTACEANS, MOLLUSKS, AMPHIBIA, REPTILES AND THEIR DERIVED PRODUCTS <*>

Table 1

I		Products Group	Pa	Parasitologic Indices and Permissible Levels of Content												
				Larva on the Claw												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	1.	The family Cyprinidae	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/ a	n/a				n/a	
	2.	pickerel	-	-	-	-	n/a	-	-	-	n/a	n/a	-	-	n/a	-
	3.	perch								n/ a	n/a	n/a	-	-	-	-
		Salmon fishes	-	-	-	-	n/a	-	-	n/ a	-	n/a	n/a	-	-	-
	5.	Cisco	-	-	-	-	-	-	-	-	-	n/a	-	-	-	-
	6.	Grayling	-	-	-	-	n/a	-	-	-	-	n/a	-	-	-	-
8		Codfishes Sturgeon	-	_	-	_	-	-	-	-	-	n/a	n/a	n/ a	-	_
	9.	Snakehead														n/ a
	10.	Miller's- thumb Catfish													n/a n/a	-
		Minced fishes stated in Items 1-11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/ a	n/a	n/a	n/a	n/ a	n/a	n/ a
	13.	Canned foods and preserves from the fish families stated in Items 1-11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/ a	n/a	n/a	n/a	n/ a	n/a	n/ a

Fresh-Water Fish and its Derived Products

14.	Fried,	n/a	I													
	jellied,															ĺ
	salted,															l
	marinated,															l
	smoked,															l
	dried fish															l
	of															l
	families															l
	stated in															l
	Items 1-11															l
15.	Caviar of															l
	fish															l
	families:															l
15.1.	Pickerel,										n/a					l
	perch,															l
	Gadidae															l
	(burbot															l
	family),															l
	grayling															l
	grayrrig															l
15.2.	Salmon										n/a	n/a	_	-	_	l
	fishes															l
15.3.	Cisco	-	-	-	-	-	-	-	-	-	n/a	-	-	-	-	l
15.4.	Sturgeon											n/a				
	(Amur															
	basins,															ĺ
	Volga															ĺ
	lower															ĺ
	course,															ĺ
	Caspian															ĺ
	sea)															ĺ
	- /															l

Notes: 1) n/a - not allowed (Larva on the claw); 2) parasite larva:

1	2	3
3 - Opisthorchis	12 - Diphyllobothrium	13 - Anisakidae
 4 - Clonorchis 5 - Pseudamphistomum 6 - Metagonimus 7 - Nanophyetus 8 - Echinochasmus 9 - Metorchis 10 - Rossicotrem 11 - Apophallus 		14 - Contracaecum 15 - Dioctophyma 16 - Gnathostoma

Migratory Fish and its Derived Products

Index	Products Group	Parasitologic Indices and Permissible Levels of Content							
			Lar	va on	the cl	aw			
1	2	3	4	5	6	7	8		
1.	Salmons	-	n/a	n/a	_	-	-		
2.	Far East salmon	n/a	n/a	n/a	n/a	n/a	n/a		
3.	Minced fishes stated in Item 1, Item 2	n/a	n/a n/a	n/a n/a	n/a	n/a	n/a		
4.	Canned foods and preserves from fish families stated in Item 1, Item 2	n/a	n/a n/a	n/a n/a	n/a	n/a	n/a		
5.	Fried, jellied, salted, marinated, smoked, dried fish of families stated in Item, 1 Item 2	n/a	n/a n/a	n/a n/a	n/a	n/a	n/a		
6.	Caviar (gonads) of fishes stated in Items 1-2	-	n/a	n/a	-	_	-		

Notes: 1) n/a - not allowed (Larva on the claw); 2) parasite larva:

Trematode	Cestode	Nematode	Proboscis Worms		
3 - Nanophyetus	4 - Diphyllobothrium	5 - Anisakidae	7 - Bolbosoma		
		6 - Contracaecum	8 - Corynosoma		

Salt-water Fish and its Derived Products

Table	3
-------	---

Index	Products Group		Para	sitol	logi	c Ind		and onter		nissi	ble	Leve:	ls of	-
						La	rva (on th	ne Cl	aw				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Salt-water fish, including by game areas and families:													
1.	Barents	l s Sea	l a	I		I	I					I		
1.2.	Salmon fishes migratory Eperlans Herring Codfishes			_ n/a			n/a n/a _ n/a	_	- n/	n/a n/a n/a n/a	- n/	- n/	- n/	-
1.5.	Scorpaenid								a	n/a	a	a	a	
1.6.	ae Pleuronect idae	-	-	-	-	-	-	-	-	n/a	-	-	-	-
	North Atlan Eperlans	ntic		n/a		' 				n/a				
2.2. 2.3. 2.4.	Herring Codfishes Macrourida	-		n/a n/a	-	-	_ n/a	-	-	n/a n/a n/a	-	n/a -	-	-
2.5.	e Merlucciid	-	-	-	-	-	-	-	-	n/a	-	-	-	-
2.6.	ae Scombridae	-	-	-	-	-	-	-	-	n/a	-	-	-	n/ a
2.7.	Scorpaenid ae		-	-	-	-	-	-	-	n/a	-	-	-	_
2.8.	Pleuronect idae			n/a	-	-	-	-	-	n/a	-	-	-	-
3. 3.1.	South Atlan Merlucciid ae		1	-	-	-	-	-	-	n/a	-	-	-	n/
3.2.	ae Carangidae	_	_	-	_	-	_	-	-	n/a	-	-	-	-
	Cerura vinula	-	-	-	-	-	-	-	_	n/a	-	-	-	n/ a
	Baltic sea Eperlans												n/a	
4.2.	Herring	-	-	-	-	-	-	-	-	n/a	-	-	n/a	-
4.3. 4.4.	Codfishes Pleuronect idae			n/a _		- - -			-	n/a n/a	_	-	-	_
5.	Black sea,	Sea Sea	of	Azo [.]	, ⊽,	Nedit	l cerra	nean		ı		I	ı	
	Gobiidae Mugilidae	- -	n/a											
6.1. 6.2.	Subantarct: Codfishes Merlucciid ae			Anta	rcti					n/a n/a			n/a n/a	

6.3.	Ophidiidae	_	_	_	-	-	-	-	-	n/a	-	-	-	-
6.4.	Notothenii dae						n/a			n/a	n/a	n/a	n/a	n/a
6.5.	Chaenichth yidae	-	-	-	-	-	n/a	-	-	n/a	n/a	n/a	n/a	n/a
7.	Indian Ocea	an												
7.1.	Carangidae									n/a				
7.2.	Scombridae	-	-	-	-	-	-	-	-	n/a	-	-	-	-
7.3.	Nemipterid ae	-	-	-		-	-	-	-	n/a	-	-	-	-
8.	Pacific Oce	ean												
8.1.	Salmon	n/a	-	-	n/a	-	n/a	-	-	n/a	n/a	-	n/a	n/a
0.0	fishes													
8.2.	Engraulida e	_	-	-	_	-	_	_	-	, a	_	_	_	-
	Herring Carangidae	-	-	-	-	-	- n/a	-	-	n/a n/a		-	-	_
0.1.	Calanyidae						11 <i>7</i> a			11/ a	11/ a			
8.5.	Hexagrammi									n/a	n/a	-	n/a	-
	dae							n/a		n/a			n/a	
9 8	Pleuronect idae	-	-	-	_	-	_	n/a	-	n/a	-	-	n/a	_
2	Scorpaenid													
ω	ae													n/a
ω														n/a
∞ 8.9.	Berycidae													n/a n/a
0.5.	Derycidae													11 <i>7</i> a
8.10.	Tunny (Scombrida													n/a
8 11	e) Gadidae								n/a	n/a	_	n/a	_	_
9.		n/a	n/a	n/a	n/a		n/a	n/a				n/a	n/a	n/a
	fishs													
	stated in													
	Items 1-8													
10.	Canned	n/a	n/a	n/a			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	foods and													
	preserves from fish													
	families													
	stated in													
	Items 1-8	,	,	,			,	,	,	,	,	,	,	,
11.	/	n/a	n/a	n/a			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	jellied, salted,													
	marinated													
	, smoked,													
	dried													
	fish of families													
	stated in													
	Items 1-8													
12.	Caviar of									n/a		n/a		
	pollack, cod													
13.	Cod liver									n/a		n/a		
L		[[l										

Notes: 1) n/a - not allowed (Larva on the claw);

	2) parasit	te larva:	
Trematode	Cestode	Nematode	Proboscis Worms
3- Nanophyetus	8- Diphyllobothrium	11- Anisakidae	14-Bolbosoma
4-Heterophyes	9-Diplogonoporus	12- Contracaecum	15- Corynosoma
5-Cryptocotyle	10- Pyramicocephalus	13- Pseudoterranova	
6- Rossicotrem			
7-Apophallus			

Table 4

Crustaceans, Sea Mollusks, Amphibians, Reptiles and their Derived Products

Inde x	Products Group	Para	asitol	ogic		es and		issi	ble L	evels
~			of Content							
]	Larva	on th	e Clau	N		
1	2	3	4	5	6	7	8	9	10	11
1.	Crustaceans and	the	ir der	rived	produ	cts				
1.1.	Lobsters from Far East basins (Russia, Korea peninsula, CPR etc.), USA	n/a								
	Freshwater shrimps from Far East basins (Russia, Korea peninsula)									
	Freshwater crabs (from basins of Far East, Russia, countries of South-East Asia, Sri Lanka, Central America, Peru, Liberia, Nigeria, Cameroon, Mexico, Philippines)	n/a								
	Freshwater crabs sauces (Item 1.3)	n/a								
	Sea mollusks and t	heir				i i				
2.2. 2.3. 2.4.	Calamaries Octopus Scallops Maktra (Spisula)	- - - -	- - -	n/a n/a - -	n/a _ _ _	n/a n/a -	- - -	- - -	- n/a n/a	- - - n/a
3.	Oysters Amphibians (frogs)	_	n/a	-	-	-	n/a	- n/a	-	- 11/ d
	Reptiles Snakes		n/a	-	-	-	_	-	-	-

4.2.	Tortoises									
4.2.1.	marine	-	-	-	-	-	-	-	n/a	-
4.2.2.	freshwater	-	-	-	-	-	-	n/a	-	-

Notes: 1) n/a - not allowed (Larva on the claw); 2) parasite larva:

trematode	cestode	Nematode
3-Paragonimus	4-Spirometra	5- Anisakidae
		6- Contracaecum
		7- Pseudoterranova
		8-Dioctophyme
		9-Gnathostoma
		10-Sulcascaris
		11-Echinocephalus

Annex 7 to SanPin 2.3.2.1078-01, approved by Resolution No. 36 of Chief State Sanitary Inspector of the RF as of November 14, 2001

FOOD ADDITIVES,

WHICH DO NOT NEGATIVELY AFFECT HUMAN HEALTH

WHEN USED FOR PRODUCTION OF

FOOD PRODUCTS

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

	of Food Additives uding Latin Name) 2	Technolo Functi	5
			lons
1	2	3	
1	2	3	
		Ű	
E100 Curcumins (CUR	CUMINS)	colouring	agent
(i) Curcumin (Curcumin)		
Natural colour	ing agent from Curcuma		
longa and othe	r species		
(ii) Turmeric	(Turmeric)		
Turmeric is po	wder of curcuma rootstock		
E101 Riboflavins (R	IBOFLAVINS)	colouring	agent
(i) Riboflavin	(Riboflavin)	_	-
(ii) Sodium sa	lt riboflavin 5-phosphate		
(Riboflavin 5-p	hosphate sodium)		
	1		
E102 Tartrazine (TAR	TRAZINE)	colouring	agent
		2	-
E103 Alkanet, Alkan	in (ALKANET)	colouring	agent
,	, , , , , , , , , , , , , , , , , , ,	5	2
E104 Quincline vell	OW (OUINOLINE YELLOW)	colouring	agent.
guinoiine yeii			
E107 Yellow 2G(YELL	DW 2G)	colouring	agent.
E110 Sunset Yellow	FCF (SUNSET YELLOW FCF)	colouring	agent
LITO Suiset lettow	CE (SOUGHT IETHOW FCF)	COLOULING	agent

E120	Carmines (CARMINES)	colouring agent
E122	Azorubine, carmoisine(AZORUBINE)	colouring agent
E124	Ponceau 4R, Brilliant Scarlet 4R (PONCEAU 4R)	colouring agent

Import of food products produced with the use of food additive E128 into the territory of the Russian Federation, as well as production and circulation thereof in the territory of the Russian Federation is prohibited by Resolution No. 68 of Chief State Sanitary Inspector of the RF dated 03.09.2007.

E128	Red 2G (RED 2G)	colouring agent	
E129	Allura red AC (ALLURA RED AC)	colouring agent	
E131	Patent blue V (PATENT BLUE V)	colouring agent	
E132	Indigo carmine (INDIGOTINE)	colouring agent	
E133	Brilliant Blue FCF (BRILLIANT BLUE FCF)	colouring agent	
E140	Chlorophyll (CHLOROPHYLL)	colouring agent	
E141	Copper complexes of chlorophylls (COPPER CHLOROPHYLLS) (i) Chlorophyll copper complex (Chlorophyll copper complex) (ii) Chlorophyllin copper complex, sodium and potassium salts (Chlorophyllin copper complex, sodium and potassium salts)	colouring agent	
E142	Green S (GREEN S)	colouring agent	
E143	Fast green FCF (FAST GREEN FCF)	colouring agent	
E150a	Plain caramel (CARAMEL I - Plain)	colouring agent	
E150b	Caustic sulphite caramel, obtained through alkali- sulphite technology (CARAMEL II - Caustic sulphite process)	colouring agent	
E150c	Ammonia caramel, obtained through ammonia technology (CARAMEL III - Ammonia process)	colouring agent	
E150d	Sulphite ammonia caramel, obtained through ammonia - sulphite technology (CARAMEL IV - Ammonia-sulphite process)	colouring agent	
E151	Brilliant black PN (BRILLIANT BLACK PN)	colouring agent	
E152	Carbon black (CARBON BLACK (hydrocarbon))	colouring agent	
E153	Vegetable carbon(VEGETABLE CARBON)	colouring agent	
E155	Brown HT (BROWN HT)	colouring agent	

(1) beta - Carotene synthetic (Beta - carotene synthetic) (ii) Natural carotenes extracts (NATURAL EXTRACTS)E160bAnnato extracts (ANNATO EXTRACTS)colouring agentE160cFaprika oleoresins (PAFRIKA OLEORESINS)colouring agentE160cLycopene (LYCOPENE)colouring agentE160dLycopene (LYCOPENE)colouring agentE160ebeta - apo carotenal (BETA - APO - ethyl ester (BETA-APO-8'-CAROTENOLC ACLD, METHYL OR ETHYL ESTER)colouring agentE161aFlavoxanthin (FLAVOXANTHIN)colouring agentE161bLutein (LUTEIN)colouring agentE161cKryptoxanthin (KRYPTOXANTHIN)colouring agentE161eVioloxanthin (RODXANTHIN)colouring agentE161eVioloxanthin (RODXANTHIN)colouring agentE161eSectroot red (BEET RED)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (ANTHOCYANIN) (1) Anthocyanins (ANTHOCYANIN) (1) Calcium carbonate (Calcium carbonate)surface colouring agent, anti-caking adent, anti-caking<	E160a	Carotenes (CAROTENES)	colouring agent
(ii) Natural carotenes extracts (NATURAL EXTRACTS)colouring agentE160bAnnato extracts (ANNATO EXTRACTS)colouring agentE160cPaprika oleoresins (PAPRTKA OLEORESTNS)colouring agentE160dLycopene (LYCOPENE)colouring agentE160dbeta - apo carotenal (BETA - APO - ctoforenal)colouring agentE160fbeta - apo carotenal (BETA - APO - ctoforenal)colouring agentE160fbeta - apo carotenal (BETA - APO - ctoforenal)colouring agentE161dbeta - Apo - Beta - APO - 9' - CAROTENOIC ACID, METHYL OR ETHYL ESTER)colouring agentE161aFlavoxanthin (FLAVOXANTHIN)colouring agentE161bLutein(LUTEIN)colouring agentE161cKryptoxanthin (REPTOXANTHIN)colouring agentE161fRubixanthin (RUBIXANTHIN)colouring agentE161gCanthaxanthin (CANTHAXANTHIN)colouring agentE161gCanthaxanthin (CANTHAXANTHIN)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (ANTHOCXANTH)colouring agentE164Nathocyanins (ANTHOCXANTN)colouring agentE165Stafe extractcolouring agentE166Calcium carbonates (CALCTUM CARBONATES)surface colouringE167Calcium carbonates (CALCTUM CARBONATES)surface colouringE168Jathocyanins (ANTHOCXANTH)colouring agentE169Calcium carbonates (CALCTUM CARBONATES)surface colouring(i) Calcium carbonatescalcium carbonatecalci		-	
LieAnnatoColouring agentE160bAnnato extracts (ANNATO EXTRACTS)colouring agentE160cPaprika oleoresins (PAFRIKA OLEORESINS)colouring agentE160dLycopene (LYCOPENE)colouring agentE160ebeta - apo carotenal (BETA - APO - CAROTENAL)colouring agentE160fbeta-Apo-8-carotenoic acid methyl or ethyl ester (BETA-APO-8'-CAROTENOIC ACID, METHYL OR ETHYL ESTER)colouring agentE161aFlavoxanthin (FLAVOXANTHIN)colouring agentE161bLutein(LUTEIN)colouring agentE161cKryptoxanthin (KEXPTOXANTHIN)colouring agentE161dRubixanthin (RUBIXANTHIN)colouring agentE161eVioloxanthin (KENDOXANTHIN)colouring agentE161eCanthaxanthin (CANTHAXANTHIN)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthoyanins (ANTHOCYANIN) (i) Anthocyanins (ANTHOCYANIN) (ii) Grape skin extract (Grape skin extract)colouring agentE170Calcium carbonates (CALCIUM CARBONATES) (i) Calcium carbonate (Calcium carbonate)colouring agentE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentE172Iron oxide (+2, +3), black (Iron oxide, plack)colouring agentsE172Iron oxide (+3), red (Iron oxide, red)colouring agentsE172Iron oxide (+3), red (Iron oxide, red)colouring agents		-	
E160cPaprika oleoresins (PAPRIKA OLEORESINS)Colouring agentE160dLycopene (LYCOPENE)colouring agentE160dbeta - apo carotenal (BETA - APO - CAROTENALColouring agentE160fbeta - apo - carotenal (BETA - APO - CAROTENALColouring agentE160fbeta - Apo - 8-carotenoic acid methyl or ethyl ester (BETA - APO - 8' - CAROTENOIC ACID, METHYL OR ETHYL ESTER)Colouring agentE161aFlavoxanthin (FLAVOXANTHIN)colouring agentE161bLutein (LUTEIN)colouring agentE161cKryptoxanthin (KRYPTOXANTHIN)colouring agentE161dRubixanthin (RUBIXANTHIN)colouring agentE161eVioloxanthin (RUBIXANTHIN)colouring agentE161gCanthaxanthin (CANTHAXANTHIN)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (ANTHOCYANIN) (i) Arabocyanins (ANTHOCYANIN) (ii) Grape skin extract (Grape skin extract (Grape skin extract (Gi Calcium carbonates (CALCIUM CARBONATES) (ii) Calcium hydrogen carbonate (Calcium carbonate)surface colouring agent, anti-caking and anti-clumping additizerE170Calcium carbonates (i) Calcium hydrogen carbonate (Calcium (ii) iron oxide (+2, +3), black (Iron oxide, plack) (ii) iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron oxide, yellow)colouring agents		EXTRACTS)	
E1604Lycopene (LYCOPENE)colouring agentE1604Lycopene (LYCOPENE)colouring agentE1604beta - apo carotenal (BETA - APO - CAROTENAL)colouring agentE1605beta - Apo-8-carotenoic acid methyl or ethyl ester (BETA-APO-8'-CAROTENOIC ACID, METHYL OR ETHYL ESTER)colouring agentE1616Flavoxanthin (FLAVOXANTHIN)colouring agentE1617ElfelaFlavoxanthin (RUPTOXANTHIN)colouring agentE1618Lutein(LUTEIN)colouring agentE1619Rubixanthin (RUBIXANTHIN)colouring agentE1614Rubixanthin (RUBIXANTHIN)colouring agentE1615Kryptoxanthin (RHODOXANTHIN)colouring agentE1616Rhodoxanthin (RHODOXANTHIN)colouring agentE1617Rhodoxanthin (RHODOXANTHIN)colouring agentE1618Anthocyanins (Anthocyanins) (ii) Grape skin extract (Grape skin extract)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (Anthocyanins) (ii) Grape skin extract (Giape skin extract)colouring agentE163Calcium carbonate (CALCIUM CARBONATES) (i) Calcium hydrogen carbonate (Calcium adati-clumping additive, stabilizersurface colouring agent, anti-caking and anti-clumping additive, stabilizerE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentsE172Iron oxide (IRON OXIDES) (i) iron oxide (+3), red (Iron oxide, red) (ii) Iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron oxide, yel	E160b	Annato extracts (ANNATO EXTRACTS)	colouring agent
E1101E11011111E1101111111E1604beta - apo carotenal (BETA - APO - CAROTENAL)Colouring agentE1607beta-Apo-8-carotenoic acid methyl or ethyl ester (BETA-APO-8'-CAROTENOIC ACID, METHYL OR ETHYL ESTER)colouring agentE1618Flavoxanthin (FLAVOXANTHIN)colouring agentE1619Lutein (LUTEIN)colouring agentE1610Kryptoxanthin (KEYPTOXANTHIN)colouring agentE1611Rubixanthin (RUBIXANTHIN)colouring agentE1612Flavoxanthin (RUDOXANTHIN)colouring agentE1614Rubixanthin (RUDOXANTHIN)colouring agentE1615Canthaxanthin (CANTHAXANTHIN)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (ANTHOCYANIN) (i) Anthocyanins (Anthocyanins) (ii) Gape skin extract) (iii) Blackcurrant extract (Blackcurrant extract)surface colouring agent, anti-caking and anti-clumping additive, stabilizerE170Calcium carbonates (CALCIUM CARBONATES) (i) Calcium hydrogen carbonate (Calcium hydrogen carbonate)surface colouring agentE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentsE172Iron oxide (HON OXIDES) (ii) iron oxide (+2, +3), black (Iron oxide, black) (ii) iron oxide (+3), red (Iron oxide, red)colouring agents	E160c	Paprika oleoresins (PAPRIKA OLEORESINS)	colouring agent
E1101E11011111E1101111111E1604beta - apo carotenal (BETA - APO - CAROTENAL)Colouring agentE1607beta-Apo-8-carotenoic acid methyl or ethyl ester (BETA-APO-8'-CAROTENOIC ACID, METHYL OR ETHYL ESTER)colouring agentE1618Flavoxanthin (FLAVOXANTHIN)colouring agentE1619Lutein (LUTEIN)colouring agentE1610Kryptoxanthin (KEYPTOXANTHIN)colouring agentE1611Rubixanthin (RUBIXANTHIN)colouring agentE1612Flavoxanthin (RUDOXANTHIN)colouring agentE1614Rubixanthin (RUDOXANTHIN)colouring agentE1615Canthaxanthin (CANTHAXANTHIN)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (ANTHOCYANIN) (i) Anthocyanins (Anthocyanins) (ii) Gape skin extract) (iii) Blackcurrant extract (Blackcurrant extract)surface colouring agent, anti-caking and anti-clumping additive, stabilizerE170Calcium carbonates (CALCIUM CARBONATES) (i) Calcium hydrogen carbonate (Calcium hydrogen carbonate)surface colouring agentE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentsE172Iron oxide (HON OXIDES) (ii) iron oxide (+2, +3), black (Iron oxide, black) (ii) iron oxide (+3), red (Iron oxide, red)colouring agents			
EIGOCAROTENAL)Colouring agentE1601beta-Apo-8-carotenoic acid methyl or ethyl ester (BETA-APO-8'-CAROTENOIC ACID, METHYL OR ETHYL ESTER)Colouring agentE161aFlavoxanthin (FLAVOXANTHIN)colouring agentE161bLutein (LUTEIN)colouring agentE161cKryptoxanthin (KRYPTOXANTHIN)colouring agentE161dRubixanthin (RUBIXANTHIN)colouring agentE161eVioloxanthin (KRYPTOXANTHIN)colouring agentE161eVioloxanthin (RHODOXANTHIN)colouring agentE161fRhodoxanthin (RHODOXANTHIN)colouring agentE161gCanthaxanthin (CANTHAXANTHIN)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (ANTHOCYANIN) (i) Anthocyanins (Anthocyanins) (ii) Grape skin extract) (iii) Blackcurrant extract (Blackcurrant extract)surface colouring agent, anti-caking aditive, stabilizerE170Calcium carbonates (CALCIUM CAREONATES) (i) Calcium hydrogen carbonate (Calcium aditive, stabilizersurface colouring agentE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentsE172Iron oxide (H2, +3), black (Iron oxide, black) (ii) iron oxide (+3), red (Iron oxide, red)colouring agents	E160d	Lycopene (LYCOPENE)	colouring agent
EithEthyl ester (BETA-APO-8'-CAROTENDIC ACID, METHYL OR ETHYL ESTER)Eithing synthE161aFlavoxanthin (FLAVOXANTHIN)colouring agentE161bLutein (LUTEIN)colouring agentE161cKryptoxanthin (KRYPTOXANTHIN)colouring agentE161dRubixanthin (RUBIXANTHIN)colouring agentE161eVioloxanthin (VIOLOXANTHIN)colouring agentE161fRhodoxanthin (RHODOXANTHIN)colouring agentE161gCanthaxanthin (CANTHAXANTHIN)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (ANTHOCYANIN) (i) Anthocyanins (Anthocyanins) (ii) Grape skin extract (Grape skin extract)colouring agentE170Calcium carbonates (CALCIUM CARBONATES) (i) Calcium carbonate (Calcium carbonate) (ii) Calcium hydrogen carbonate (Calcium agent, anti-caking and anti-clumping additive, stabilizerE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentE172Iron oxide (H2, +3), black (Iron oxide, black) (ii) Iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron oxide, yellow)colouring agents	E160e	_	colouring agent
E161bLutein (LUTEIN)Colouring agentE161cKryptoxanthin (KRYPTOXANTHIN)colouring agentE161dRubixanthin (RUBIXANTHIN)colouring agentE161dRubixanthin (RUDOXANTHIN)colouring agentE161eVioloxanthin (RHODOXANTHIN)colouring agentE161fRhodoxanthin (RHODOXANTHIN)colouring agentE161gCanthaxanthin (CANTHAXANTHIN)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (ANTHOCYANIN) (i) Anthocyanins (Anthocyanins) (ii) Grape skin extract) (iii) Blackcurrant extract (Blackcurrant extract)colouring agentE170Calcium carbonates (CALCIUM CARBONATES) (i) Calcium hydrogen carbonate (Calcium hydrogen carbonate)surface colouring agent, anti-caking and anti-clumping additive, stabilizerE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentsE172Iron oxide (H2), red (Iron oxide, (ii) Iron oxide (+3), red (Iron oxide, vide, yellow)colouring agents	E160f	ethyl ester (BETA-APO-8'-CAROTENOIC ACID,	colouring agent
E161cKryptoxanthin (KRYPTOXANTHIN)Colouring agentE161dRubixanthin (RUBIXANTHIN)colouring agentE161eVioloxanthin (VIOLOXANTHIN)colouring agentE161fRhodoxanthin (RHODOXANTHIN)colouring agentE161gCanthaxanthin (CANTHAXANTHIN)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (ANTHOCYANIN) (i) Anthocyanins (Anthocyanins) (ii) Grape skin extract (Grape skin extract)colouring agentE170Calcium carbonates (CALCIUM CARBONATES) (i) Calcium carbonate (Calcium carbonate)surface colouring agent, anti-caking and anti-clumping additive, stabilizerE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentsE172Iron oxide (H2, +3), black (Iron oxide, black) (ii) Iron oxide (+3), yellow (Iron oxide, yellow)colouring agents	E161a	Flavoxanthin (FLAVOXANTHIN)	colouring agent
E161International and the second	E161b	Lutein(LUTEIN)	colouring agent
E161eVioloxanthin (VIOLOXANTHIN)colouring agentE161fRhodoxanthin (RHODOXANTHIN)colouring agentE161gCanthaxanthin (CANTHAXANTHIN)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (ANTHOCYANIN) (i) Anthocyanins (Anthocyanins) (ii) Grape skin extract (Grape skin extract) (iii) Blackcurrant extract (Blackcurrant extract)colouring agentE170Calcium carbonates (CALCIUM CARBONATES) (i) Calcium hydrogen carbonate (Calcium carbonate) hydrogen carbonate)surface colouring agent, anti-caking and anti-clumping additive, stabilizerE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentsE172Iron oxide (+2, +3), black (Iron oxide, black) (ii) Iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron oxide, yellow)colouring agents	E161c	Kryptoxanthin (KRYPTOXANTHIN)	colouring agent
E161fRhodoxanthin (RHODOXANTHIN)Colouring agentE161gCanthaxanthin (CANTHAXANTHIN)colouring agentE161gBeetroot red (BEET RED)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (ANTHOCYANIN) (i) Anthocyanins (Anthocyanins) (ii) Grape skin extract (Grape skin extract) (iii) Blackcurrant extract (Blackcurrant extract)colouring agentE170Calcium carbonates (CALCIUM CARBONATES) (i) Calcium hydrogen carbonate (Calcium agent, anti-caking and anti-clumping additive, stabilizerE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentsE172Iron oxides (IRON OXIDES) (i) iron oxide (+2, +3), black (Iron oxide, black) (ii) iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron oxide, yellow)colouring agents	E161d	Rubixanthin(RUBIXANTHIN)	colouring agent
E161gCanthaxanthin (CANTHAXANTHIN)colouring agentE162Beetroot red (BEET RED)colouring agentE163Anthocyanins (ANTHOCYANIN) (i) Anthocyanins (Anthocyanins) (ii) Grape skin extract (Grape skin extract) (iii) Blackcurrant extract (Blackcurrant extract)colouring agentE170Calcium carbonates (CALCIUM CARBONATES) (i) Calcium carbonate (Calcium carbonate) (ii) Calcium hydrogen carbonate (Calcium hydrogen carbonate)surface colouring agent, anti-caking and anti-clumping additive, stabilizerE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentE172Iron oxides (IRON OXIDES) (i) iron oxide (+3), red (Iron oxide, red) (ii) Iron oxide (+3), yellow (Iron oxide, yellow)colouring agents	E161e	Violoxanthin (VIOLOXANTHIN)	colouring agent
E162Beetroot red (BEET RED)Colouring agentE163Anthocyanins (ANTHOCYANIN) (i) Anthocyanins (Anthocyanins) (ii) Grape skin extract (Grape skin extract) (iii) Blackcurrant extract (Blackcurrant extract)colouring agentE170Calcium carbonates (CALCIUM CARBONATES) (i) Calcium carbonate (Calcium carbonate) (ii) Calcium hydrogen carbonate (Calcium hydrogen carbonate)surface colouring agent, anti-caking and anti-clumping additive, stabilizerE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentE172Iron oxides (IRON OXIDES) (i) iron oxide (+2, +3), black (Iron oxide, black) (ii) iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron oxide, yellow)colouring agents	E161f	Rhodoxanthin (RHODOXANTHIN)	colouring agent
E163Anthocyanins (ANTHOCYANIN) (i) Anthocyanins (Anthocyanins) (ii) Grape skin extract (Grape skin extract) (iii) Blackcurrant extract (Blackcurrant extract)colouring agentE170Calcium carbonates (CALCIUM CARBONATES) (i) Calcium carbonate (Calcium carbonate) (ii) Calcium hydrogen carbonate (Calcium hydrogen carbonate)surface colouring agent, anti-caking and anti-clumping additive, stabilizerE171Titanium dioxide (TITANIUM DIOXIDE)colouring agentE172Iron oxides (IRON OXIDES) (i) iron oxide (+2, +3), black (Iron oxide, black) (ii) iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron oxide, yellow)colouring agents	E161g	Canthaxanthin (CANTHAXANTHIN)	colouring agent
 (i) Anthocyanins (Anthocyanins) (ii) Grape skin extract (Grape skin extract) (iii) Blackcurrant extract (Blackcurrant extract) E170 Calcium carbonates (CALCIUM CARBONATES) (i) Calcium carbonate (Calcium carbonate) (ii) Calcium hydrogen carbonate (Calcium and anti-clumping additive, stabilizer E171 Titanium dioxide (TITANIUM DIOXIDE) colouring agent E172 Iron oxides (IRON OXIDES) (i) iron oxide (+2, +3), black (Iron oxide, black) (ii) iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron oxide, yellow) 	E162	Beetroot red (BEET RED)	colouring agent
 (i) Calcium carbonates (Calcium carbonate) (ii) Calcium hydrogen carbonate (Calcium hydrogen carbonate) E171 Titanium dioxide (TITANIUM DIOXIDE) Colouring agent E172 Iron oxides (IRON OXIDES) (i) iron oxide (+2, +3), black (Iron oxide, black) (ii) iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron oxide, yellow) 	E163	(i) Anthocyanins (Anthocyanins)(ii) Grape skin extract(Grape skin extract)(iii) Blackcurrant extract (Blackcurrant	colouring agent
E172 Iron oxides (IRON OXIDES) (i) iron oxide (+2, +3), black (Iron oxide, black) (ii) iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron oxide, yellow)	E170	(i) Calcium carbonate (Calcium carbonate)(ii) Calcium hydrogen carbonate (Calcium)	agent, anti-caking and anti-clumping additive,
<pre>(i) iron oxide (+2, +3), black (Iron oxide, black) (ii) iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron oxide, yellow)</pre>	E171	Titanium dioxide (TITANIUM DIOXIDE)	colouring agent
E174 Silver (SILVER) colouring agent	E172	<pre>(i) iron oxide (+2, +3), black (Iron oxide, black) (ii) iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron</pre>	colouring agents
	E174	Silver (SILVER)	colouring agent

E175	Gold (GOLD)	colouring agent
E181	Tannins, food grade (TANNINS, FOOD GRADE)	colouring agent, emulsifier, stabilizer
E182	Orcein, Orchil (ORCHIL)	colouring agent
E200	Sorbic acid (SORBIC ACID)	preservative
E201	Sodium sorbate (SODIUM SORBATE)	preservative
E202	Potassium sorbate (POTASSIUM SORBATE)	preservative
E203	Calcium sorbate (CALCIUM SORBATE)	preservative
E209	Heptyl p-hydroxybenzoate (HEPTYL p- HYDROXYBENZOATE)	preservative
E210	Benzoic acid (BENZOIC ACID)	preservative
E211	Sodium benzoate (SODIUM BENZOATE)	preservative
E212	Potassium benzoate (POTASSIUM BENZOATE)	preservative
E213	Calcium benzoate (CALCIUM BENZOATE)	preservative
E214	Ethylparaben (ETHYL p-HYDROXYBENZOATE)	preservative
E215	Sodium ethyl p-hydroxybenzoate (SODIUN ETHYL p-HYDROXYBENZOATE)	Apreservative

Import of food products produced with the use of food additive E 216 (Propyl phydroxybenzoate) into the territory of the Russian Federation is prohibited. Moreover, the use of this additive in production of food products is prohibited from March 1, 2005 (Resolution No.1 of Chief State Sanitary Inspector of the RF dated 18.01.2005).

E216	Propylparaben	(PROPYL p-HYDROXYBENZOATE)	preservative	

Import of food products produced with the use of food additive E 217 (Propyl phydroxybenzoate, sodium salt) into the territory of the Russian Federation is prohibited. Moreover, the use of this additive in production of food products is prohibited from March 1, 2005. (Resolution No.1 of Chief State Sanitary Inspector of the RF dated 18.01.2005).

E217	Sodium propil p-hydroxybenzoate (SODIUM PROPIL p-HYDROXYBENZOATE)	preservative
E218	Methylparaben(METHYL p-HYDROXYBENZOATE)	preservative
E219	Sodium methyl p-hydroxybenzoate (SODIUM METHYL p-HYDROXYBENZOATE)	preservative
E220	Sulphur dioxide (SULPHUR DIOXIDE)	preservative, antioxidant

E221	Sodium sulphite (SODIUM SULPHITE)	preservative,
H 000		antioxidant
E222	Sodium bisulphite (SODIUM HYDROGEN SULPHITE)	preservative, antioxidant
E223	Sodium metabisulphite (SODIUM	preservative,
	METABISULPHITE)	antioxidant,
		bleaching agent
E224	Potassium metabisulphite (POTASSIUM	preservative,
	METABISULPHIT)	antioxidant
E225	Potassium sulphite (POTASSIUM SULPHITE)	preservative,
		antioxidant
E226	Calcium sulphite (CALCIUM SULPHITE)	preservative,
		antioxidant
E227	Calcium hydrogen sulphite (CALCIUM	preservative,
	HYDROGEN SULPHITE)	antioxidant
E228	Potassum hydrogen (bisulphite)sulphite	preservative,
	(POTASSIUM BISULPHITE)	antioxidant
E230	Diphenyl (DIPHENYL)	preservative
E231	orto-phenylphenol (ORTO-PHENYLPHENOL)	preservative
E232	Sodium o-phenylphenol (SODIUM O-	preservative
	PHENYLPHENOL)	
E234	Nisin (NISIN)	preservative
E235	Pimaricin, Natamycin (PIMARICIN,	preservative
	NATAMYCIN)	
E236	Formic acid (FORMIC ACID)	preservative
E237	Sodium formate (SODIUM FORMATE)	preservative
E238	Calcium formate (CALCIUM FORMATE)	preservative
E239	Hexamine (HEXAMETHYLENE TETRAMINE)	preservative
E241	Gum guaicum (GUM GUAICUM)	preservative
E242	Dimethyl dicarbonate (DIMETHYL	preservative
	DICARBONATE)	
E249	Potassium nitrite (POTASSIUM NITRITE)	preservative,
		colour retention
		agent
E250	Sodium nitrite (SODIUM NITRITE)	preservative,
		colour retention
		agent
E251	Sodium nitrate (SODIUM NITRATE)	preservative,
		colour retention
		agent
E252	Potassium nitrate (POTASSIUM NITRATE)	preservative,
		colour retention
		agent
E260	Acetic acid glacial (ACETIC ACID GLACIAL)	preservative,
		acidity regulator

E261	Potassium acetates (POTASSIUM ACETATES)	preservative,
	(i) Potassium acetate (POTASSIUM ACETATE)	acidity regulator
	(ii) Potassium diacetate (Potassium	
	diacetate)	
E262	Sodium acetates (SODIUM ACETATES)	preservative,
	(i) Sodium acetate (Sodium acetate)	acidity regulator
	(ii) Sodium diacetate (Sodium diacetate)	
E263	Calcium acetate (CALCIUM ACETATES)	preservative,
		stabilizer,
		acidity regulator
E264	Ammonium acetate (AMMONIUM ACETATE)	acidity regulator
E265	Dehydroacetic acid (DEHYDROACETIC ACID)	preservative
E266	Sodium dehydroacetate (SODIUM	preservative
	DEHYDROACETATE)	
E270	Lactic acid, L-, DиDL- (LACTIC ACID, L-	acidity regulator
	, D- and DL-)	
E280	Propionic acid (PROPIONIC ACID)	preservative
E281	Sodium propionate (SODIUM PROPIONATE)	preservative
E282	Calcium propionate (CALCIUM PROPIONATE)	preservative
E283	Potassium propionate (POTASSIUM	preservative
	PROPIONATE)	
E290	Carbon dioxide (CARBON DIOXIDE)	drinks saturating
		gas
E296	Malic acid (MALIC ACID, DL-)	acidity regulator
E297	Fumaric acid (FUMARIC ACID)	acidity regulator
E300	Ascorbic acid, L- (ASCORBIC ASID, L-)	antioxidant
E301	Sodium ascorbate (SODIUM ASCORBATE)	antioxidant
E302	Calcium ascorbate (CALCIUM ASCORBATE)	antioxidant
E303	Potassium ascorbate (POTASSIUM ASCORBATE)	antioxidant
E304	Ascorbyl palmitate (ASCORBYL PALMITATE)	antioxidant

E305	Ascorbyl stearate (ASCORBYL STEARATE)	antioxidant
E306	Mixed tocopherols concentrate (MIXED	antioxidant
	TOCOPHEROLS CONCENTRATE)	
E307	Alpha tocopherol (ALPHA - TOCOPHEROL)	antioxidant
E308	Synthetic gamma-tocopherol (SYNTHETIC	antioxidant
	GAMMA - TOCOPHEROL)	
E309	Synthetic delta-tocopherol (SYNTHETIC	antioxidant
	DELTA - TOCOPHEROL)	
E310	Propyl gallate (PROPYL GALLATE)	antioxidant
E311	Octyl gallate (OCTYL GALLATE)	antioxidant
E312	Dodecyl gallate (DODECYL GALLATE)	antioxidant
E314	Guaiac resin (GUAIAC RESIN)	antioxidant
E315	Isoascorbic (erythorbic) acid	antioxidant
	(ISOASCORBIC ACID, ERYTHORBIC ACID)	
E316	Sodium isoascorbate (SODIUM ISOASCORBATE)	antioxidant
E317	Potassium isoascorbate (POTASSIUM	antioxidant
	ISOASCORBATE)	
E318	Calcium isoascorbate (CALCIUM	antioxidant
	ISOASCORBATE)	
E319	tertiary Butylhydroquinone (TERTIARY	antioxidant
	BUTYLHYDROQUINONE)	
E320	Butylated hydroxyanisole (BUTYLATED	antioxidant
	HYDROXYANISOLE)	
E321	Butylated hydroxytoluene, Ionol	antioxidant
	(BUTYLATED HYDROXYTOLUENE)	
E322	Lecithins, phosphatides (LECITHINS)	antioxidant,
		emulsifier
E323	Anoxomer (ANOXOMER)	antioxidant
E325	Sodium lactate (SODIUM LACTATE)	antioxidant
		synergist,
		humectant, fillin
		agent
E326	Potassium lactate (POTASSIUM LACTATE)	antioxidant
		synergist, acidit
		regulator
E327	Calcium lactate (CALCIUM LACTATE)	acidity regulator
		flour and bread
		improving agent
E328	Ammonium lactate (AMMONIUM LACTATE)	acidity regulator

		flour and bread improving agent
E329	Magnesium lactate, DL- (MAGNESIUM LACTATE, DL-)	acidity regulator, flour and bread improving agent
E330	Citric acid (CITRIC ACID)	acidity regulator, antioxidant, sequestrant
E331	Sodium citrates (SODIUM CITRATES) (i) Disodium monohydrogen citrate (Disodium monohydrogen citrate) (ii) Sodium dihydrogen citrate (Sodium dihydrogen citrate) (iii) Trisodium citrate (Trisodium citrate)	acidity regulator, emulsifier, stabilizer, sequestrant
E332	Potasium citrates (POTASSIUM CITRATES) (i) Potassium dihydrogen citrate (Potassium dihydrogen citrate) (ii) Tripotassium citrate (Tripotassium citrate)	acidity regulator,stabiliz er, sequestrant
E333	Calcium citrates (CALCIUM CITRATES)	acidity regulator, firming agent, sequestrant
E334	Tartaric acid, L(+)- (TARTARIC ACID, L(+)-)	acidity regulator, antioxidant synergist, sequestrant
E335	Sodium tartrates (SODIUM TARTRATES) (i) Monosodium tartrate (Monosodium tartrate) (ii) Disodium tartrate (Disodium tartrate)	stabilizer, sequestrant
E336	Potassium tartrates (POTASSIUM TARTRATES) (i) Monopotassium tartrate (Monopotassium tartrate) (ii) Dipotassium tartrate (Dipotassium tartrate)	
E337	Potassium sodium tartrate (POTASSIUM SODIUM TARTRATE)	stabilizer, sequestrant
E338	Orthophosphoric acid (ORTHOPHOSPHORIC ACID)	acidity regulator, antioxidant synergist
E339	Sodium phosphates (SODIUM PHOSPHATES)	acidity regulator, emulsifier, texturator, humectant, stabilizer, sequestrant

E340	<pre>(i) monosodium orthophosphate (Monosodium orthophosphate) (ii) disodium orthophosphate (Disodium orthophosphate) (iii) trisodium orthophosphate (Trisodium orthophosphate) Potassium phosphates (POTASSIUM PHOSPHATES) (i) monopotassium orthophosphate (Monopotassium orthophosphate) (ii) dipotassium orthophosphate (Dipotassium orthophosphate) (iii) tripotassium orthophosphate (Tripotassium orthophosphate)</pre>	acidity regulator, emulsifier, humectant, stabilizer, sequestrant
E341	Calcium phosphates (CALCIUM PHOSPHATES) (i) monocalcium orthophosphate (Monocalcium orthophosphate) (ii) dicalcium orthophosphate (Dicalcium orthophosphate) (iii) tricalcium orthophosphate (Tricalcium orthophosphate)	acidity regulator, flour and bread improving agent, stabilizer, firming agent, texturator, leavening agent, anti-caking and anti-clumping additive humectant
E342	Ammonium phosphates (AMMONIUM PHOSPHATES) (i) monoammonium orthophosphate (Monoammonium orthophosphate) (ii) diammonium orthophosphate (Diammonium orthophosphate)	acidity regulator, flour and bread improving agent
E343	<pre>Magnesium phosphates (MAGNESIUM PHOSPHATES) (i) monomagnesium orthophosphate (Monomagnesium orthophosphate) (ii) dimagnesium orthophosphate (Dimagnesium orthophosphate) (iii) trimagnesium orthophosphate (Trimagnesium orthophosphate)</pre>	acidity regulator, anti-caking and anti-clumping additive
E345	Magnesium citrate (MAGNESIUM CITRATE)	acidity regulator
E349	Ammonium malate (AMMONIUM MALATE)	acidity regulator
E350	Sodium malates (SODIUM MALATES) (i) Sodium hydrogen malate (Sodium hydrogen malate) (ii) Sodium malate (Sodium malate)	acidity regulator, humectant
E351	Potassium malates (POTASSIUM MALATES) (i) Potassium hydrogen malate (Sodium hydrogen malate) (ii) Potassium malate (POTASSIUM MALATE)	acidity regulator

E352	Calcium malates (CALCIUM MALATES)	acidity regulator
	(i) Calcium hydrogen malate (Calcium	
	hydrogen malate)	
	(ii) Calcium malate (Calcium malate)	
E353	Metatartaric acid (METATARTARIC ACID)	acidity regulator
E354	Calcium tartrate (CALCIUM TARTRATE)	acidity regulator
E355	Adipic acid (ADIPIC ACID)	acidity regulator
E356	Sodium adipates (SODIUM ADIPATES)	acidity regulator
E357	Potassium adipates (POTASSIUM ADIPATES)	acidity regulator
E359	Ammonium adipates (AMMONIUM ADIPATES)	acidity regulator
E363	Succinic acid (SUCCINIC ACID)	acidity regulator
E365	Sodium fumarates (SODIUM FUMARATES)	acidity regulator
E366	Potassium fumarates (POTASSIUM FUMARATES)	acidity regulator
E367	Calcium fumarates (CALCIUM FUMARATES)	acidity regulator
E368	Ammonium fumarates (AMMONIUM FUMARATES)	acidity regulator
E375	Nicotinic acid (NICOTINIC ACID)	colour stabilizer
E380	Ammonium citrates (AMMONIUM CITRATES)	acidity regulator
E381	Ferric ammonium citrates (FERRIC AMMONIUM CITRATES)	
E383	Calcium glycerophosphate (CALCIUM GLYCEROPHOSPHATE)	thickening agent, stabilizer
E384	Isopropyl citrates (ISOPROPYL CITRATES)	anti-caking and anti-clumping additive
E385	Calcium disodium ethylene diamine-tetra- acetate (CALCIUM DISODIUM ETHYLENE DIAMINE-TETRA-ACETATE)	
E386	Disodium ethylene diamine-tetra- acetate(DISODIUM ETHYLENE DIAMINE-TETRA- ACETATE)	
		sequestrant
E387	Oxystearin (OXYSTEARIN)	antioxidant,
--------------	--	----------------------------
E391	Phytic acid (PHYTIC ACID)	sequestrant antioxidant
E391 E400	Alginic acid (ALGINIC ACID)	thickening agent,
11400	Alginie dela (Abbinie Acib)	stabilizer
E401	Sodium alginate (SODIUM ALGINATE)	thickening agent,
DAOT	Sourdan algunate (Sobion Algunate)	stabilizer
E402	Potassium alginate (POTASSIUM ALGINATE)	thickening agent,
11402	POLASSIUM AIGINALE (POIASSIOM ALGINALE)	stabilizer
E403	Ammonium alginate (AMMONIUM ALGINATE)	thickening agent,
6405	ANNIONIUM ALGINALE)	stabilizer
E404	Calcium alginate (CALCIUM ALGINATE)	
£404	Calcium alginate (CALCIOM ALGINAIE)	thickening agent,
		stabilizer,
T-40E		anti-foaming agent
E405	Propylene glycol alginate (PROPYLENE	thickening agent,
	GLYCOL ALGINATE)	emulsifier
E406	Agar (AGAR)	thickening agent,
		gelling agent,
		stabilizer
E407	Carrageenan and its Na, K, NH4 salts	thickening agent,
	(includes furcellaran)(CARRAGEENAN AND	gelling agents,
	ITS Na, K, NH4 SALTS (INCLUDES	stabilizer
	FURCELLARAN))	
E407a	Carrageenan pes - processed euchema	thickening agent,
	seaweed (CARRAGEENAN PES- PROCESSED	gelling agents,
	EUCHEMA SEAWEED)	stabilizer
E409	Arabinogalactan (ARABINOGALACTAN)	thickening agent,
		gelling agents,
		stabilizer
E410	Carob bean gum (CAROB BEAN GUM)	thickening agent,
		stabilizer
E411	Oat gum (OAT GUM)	thickening agent,
		stabilizer
E412	Guar gum (GUAR GUM)	thickening agent,
		stabilizer
E413	Tragacanth gum (TRAGACANTH GUM)	thickening agent,
		stabilizer,
		emulsifier
E414	Gum arabic	thickening agent,
	(CIIM ADADIC (ACACIA CUM))	stabilizer
E415	(GUM ARABIC (ACACIA GUM)) Xantan gum (XANTAN GUM)	thickenics
E410	AAIICAII YUIII (AAIITAIN GUM)	thickening agent,
E416	Kanaua gum (KADANA CUM)	stabilizer
E416	Karaya gum (KARAYA GUM)	thickening agent,
D 4 1 7		stabilizer
E417	Tara gum (TARA GUM)	thickening agent,
		stabilizer

E418	Gellan gum (GELLAN GUM)	thickening agent,
		stabilizer,
		gelling agent
E419	Gum ghatti (GUM GHATTI)	thickening agent,
		stabilizer,
		gelling agent
E420	Sorbitol and sorbitol syrup (SORBITOL AND	sweetener,
	SORBITOL SYRUP)	humectant,
		sequestrant,
		texturator,
		emulsifier
E421	Mannitol (MANNITOL)	sweetener, anti-
		caking and anti-
		clumping additive
E422	Glycerol (GLYCEROL)	humectant,
		thickening agent
E425	Konjac (Konjac flour) (KONJAC (KONJAC	thickening agent
	FLOOUR)) (i) Konjac gum (KONJAC GUM) (II)	5 5
	Konjac glucomannane (KONJAC GLUCOMANNANE)	
	, , , , , , , , , , , , , , , , , , , ,	
Resolu	L oduced by Amendments and Additions No. 2, ap ution No. 41 of Chief State Sanitary Inspect .2003)	
Resolu 15.04	ution No. 41 of Chief State Sanitary Inspect	
Resolu 15.04 E430	ution No. 41 of Chief State Sanitary Inspect .2003)	emulsifier
Resolu 15.04 E430	ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate	for of the RF dated
Resolu 15.04 E430 E431	ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE)	emulsifier emulsifier
Resolu 15.04 E430 E431	ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan	emulsifier
Resolu 15.04 E430 E431	ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20	emulsifier emulsifier
Resolu 15.04 E430 E431	ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN	emulsifier emulsifier
Resolu 15.04 E430 E431 E432	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE)</pre>	emulsifier emulsifier emulsifier emulsifier
Resolu	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate,</pre>	emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80</pre>	emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN</pre>	emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432 E433	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE)</pre>	emulsifier emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432 E433	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE) Polyoxyethylene (20) sorbitan</pre>	emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432 E433	ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE) Polyoxyethylene (20) sorbitan monopalmitate, Tween 40	emulsifier emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432 E433	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE) Polyoxyethylene (20) sorbitan monopalmitate, Tween 40 (POLYOXYETHYLENE (20) SORBITAN</pre>	emulsifier emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432 E433 E433	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE) Polyoxyethylene (20) sorbitan monopalmitate, Tween 40 (POLYOXYETHYLENE (20) SORBITAN MONOPALMITATE)</pre>	emulsifier emulsifier emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432 E433	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE) Polyoxyethylene (20) sorbitan monopalmitate, Tween 40 (POLYOXYETHYLENE (20) SORBITAN MONOPALMITATE) Polyoxyethylene (20) sorbitan</pre>	emulsifier emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432 E433 E433	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE) Polyoxyethylene (20) sorbitan monopalmitate, Tween 40 (POLYOXYETHYLENE (20) SORBITAN MONOPALMITATE) Polyoxyethylene (20) sorbitan monostearate, Tween 60</pre>	emulsifier emulsifier emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432 E433 E433	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE) Polyoxyethylene (20) sorbitan monopalmitate, Tween 40 (POLYOXYETHYLENE (20) SORBITAN MONOPALMITATE) Polyoxyethylene (20) sorbitan monostearate, Tween 60 (POLYOXYETHYLENE (20) SORBITAN</pre>	emulsifier emulsifier emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432 E432 E433 E433	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE) Polyoxyethylene (20) sorbitan monopalmitate, Tween 40 (POLYOXYETHYLENE (20) SORBITAN MONOPALMITATE) Polyoxyethylene (20) sorbitan monostearate, Tween 60 (POLYOXYETHYLENE (20) SORBITAN MONOSTEARATE)</pre>	emulsifier emulsifier emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432 E433 E433	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE) Polyoxyethylene (20) sorbitan monopalmitate, Tween 40 (POLYOXYETHYLENE (20) SORBITAN MONOPALMITATE) Polyoxyethylene (20) sorbitan monostearate, Tween 60 (POLYOXYETHYLENE (20) SORBITAN MONOSTEARATE) Polyoxyethylene (20) sorbitan tristearate</pre>	emulsifier emulsifier emulsifier emulsifier emulsifier emulsifier
Resolu 15.04 E430 E431 E432 E433 E433 E433	<pre>ution No. 41 of Chief State Sanitary Inspect .2003) Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE) Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE) Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE) Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE) Polyoxyethylene (20) sorbitan monopalmitate, Tween 40 (POLYOXYETHYLENE (20) SORBITAN MONOPALMITATE) Polyoxyethylene (20) sorbitan monostearate, Tween 60 (POLYOXYETHYLENE (20) SORBITAN MONOSTEARATE)</pre>	emulsifier emulsifier emulsifier emulsifier emulsifier emulsifier

E440	Pectins (PECTINS)	thickening agent, stabilizer
		gelling agent
E442	Ammonium salts of phosphatidic acid	emulsifier
	(AMMONIUN SALTS OF PHOSPHATIDIC ACID)	
E444	Sucrose acetate isobutirate (SUCROSE ACETATE ISOBUTIRAT)	emulsifier, stabilizer
E445	Glycerol esters of wood resin (GLYCEROL ESTERS OF WOOD RESIN)	emulsifier, stabilizer
E446	Succistearin (SUCCISTEARIN)	emulsifier
E450	Diphosphates (DIPHOSPHATES)	emulsifier,
1100	(i) Disodium diphosphate (Disodium	stabilizer,
	diphosphate)	acidity regulator,
	(ii) Trisodium diphosphate (Trisodium	leavening agent,
	diphosphate)	sequestrant,
	(iii) Tetrasodium diphosphate	humectant
	(Tetrasodium diphosphate)	
	(iv) Dipotassium diphosphate (Dipotassium	
	diphosphate)	
	(v) Tetrapotassium diphosphate	
	(Tetrapotassium diphosphate)	
	(vi) Dicalcium diphosphate (Dicalcium	
	diphosphate)	
	(vii) Calcium dihydrogen diphosphate	
	(Calcium dihydrogen diphosphate)	
	(viii) Dimagnesium diphosphate	
	(Dimagnesium diphosphate)	
E451	Triphosphates (TRIPHOSPHATES)	sequestrant, acidity regulator,
	(i) Pentasodium triphosphate (Pentasodium	texturator
	triphosphate)	
	(ii) Pentapotassium triphosphate	
	(Pentapotassium triphosphate)	
E452	Polyphosphates (POLYPHOSPHATES)	emulsifier,
	(i) Sodium polyphosphate (Sodium	stabilizer,
	polyphosphate)	sequestrant,
	(ii) Potassium polyphosphate (Potassium	texturator,
	polyphosphate)	humectant
	(iii) Sodium calcium polyphosphate	
	(Sodium calcium polyphosphate)	
	(iv) Calcium polyphosphates (Calcium	
	polyphosphates)	
	(v) Ammonium polyphosphates (Ammonium	
	polyphosphates)	
E459	beta - Cyclodexrin (BETA - CYCLODEXTRIN)	stabilizor
1100	Deca - Cyclodexilli (BEIA - CICLODEXTRIN)	stabilizer, binder
		DINGET
E460	Cellulose (CELLULOSE)	emulsifier,
	(i) Microcrystalline cellulose	anti-caking and anti-clumping
	(Microcrystalline cellulose)	additive
		auurtre
	(ii) Powdered cellulose (Powdered	
D 4C1	cellulose) Methyl cellulose (METHYL CELLULOSE)	texturator
	IMETRAL CELINIOSE (METRYL CELLULOSE)	thickening agent, emulsifier,
E461		stabilizer

E462	Ethyl cellulose (ETHYL CELLULOSE)	filling agent, binder
E463	Hydroxypropyl cellulose (HYDROXYPROPYL CELLULOSE)	thickening agent, emulsifier, stabilizer
E464	Hydroxypropyl methyl cellulose (HYDROXYPROPYL METHYL CELLULOSE)	thickening agent, emulsifier, stabilizer
E465	Methyl ethyl cellulose (METHYL ETHYL CELLULOSE)	thickening agent, emulsifier, stabilizer, foaming agent
E466	Sodium carboxymethyl cellulose (SODIUM CARBOXYMETHYL CELLULOSE)	thickening agent, stabilizer
E467	Ethyl hydroxyethyl cellulose (ETHYL HYDROXYETHYL CELLULOSE)	emulsifier, thickening agent, stabilizer
E468	Croscaramellose (CROSCARAMELLOSE)	stabilizer, binder
E469	Enzymically hydrolysed carboxymethylcellulose	thickening agent, stabilizer
E470	Salts of fatty acids, Al, Ca, Na, Mg, K and NH4 salts(SALTS OF FATTY ACIDS (with base Al, Ca, Na, Mg, K and NH4))	
E471	Mono- and diglycerides of fatty acids (MONO- AND DIGLYCERIDES OF FATTY ACIDS)	emulsifier, stabilizer
E472a	Acetic and fatty acid esters of glycerol	emulsifier, stabilizer, sequestrant
E472b	Lactic and fatty acid esters of glycerol (LACTIC AND FATTY ACID ESTERS OF GLYCEROL)	emulsifier, stabilizer, sequestrant
E472c	Citric and fatty acid esters of glycerol (CITRIC AND FATTY ACID ESTERS OF GLYCEROL)	emulsifier, stabilizer, sequestrant
E472d	diglycerides of fatty acids	emulsifier, stabilizer, sequestrant
E472e	Diacetyltartaric and fatty acid esters of glycerol (DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL)	stabilizer,

E472f	Mixed tartaric, acetic and fatty acid esters of glycerol	emulsifier, stabilizer, sequestrant
	(MIXED TARTARIC, ACETIC AND FATTY ACID ESTERS OF GLYCEROL)	
E472g	Succinylated monoglycerides (SUCCINYLATED MONOGLYCERIDES)	emulsifier, stabilizer, sequestrant
E473	Sucrose esters of fatty acids (SUCROSE ESTERS OF FATTY ACIDS)	emulsifier
E474	Sucroglycerides (SUCROGLYCERIDES)	emulsifier
E475	Polyglycerol esters of fatty acids (POLYGLYCEROL ESTERS OF FATTY ACIDS)	emulsifier
E476	Polyglycerol esters of interesterified ricinoleic acid (POLYGLYCEROL ESTERS OF INTERESTERIFIED RICINOLEIC ACID)	
E477	Propylene glycol esters of fatty acids (PROPYLENE GLYCOL ESTERS OF FATTY ACIDS)	
E478	Lactylated fatty acid esters of glycerol and propylene glycol (LACTYLATED FATTY ACID ESTERS OF GLYCEROL AND PROPYLENE GLYCOL)	
E479	Thermally oxidized soya bean oil with mono- and di-glycerides of fatty acids (THERMALLY OXIDIZED SOYA BEAN OIL WITH MONO- AND DI-GLYCERIDES OF FATTY ACIDS)	emulsifier
E480	Dioctyl sodium sulphosuccinate (DIOCTYL SODIUM SULPHOSUCCINATE)	emulsifier, wetting agent
E481	Sodium lactylates (SODIUM LACTYLATES) (i) Sodium stearoyl lactylate (SODIUM STEAROYL LACTYLATE) (ii) Sodium oleyl lactylate (SODIUM OLEYL LACTYLATE)	emulsifier, stabilizer
E482	Calcium lactylates (CALCIUM LACTYLATES)	emulsifier, stabilizer
E483	Stearyl tartrate (STEARYL TARTRATE)	flour and bread improving agent
E484	Stearyl citrate(STEARYL CITRATE)	emulsifier, sequestrant
E491	Sorbitan monostearate, SPAN 60 (SORBITAN MONOSTEARATE)	emulsifier
E492	Sorbitan tristearate (SORBITAN TRISTEARATE)	emulsifier
E493	Sorbitan monolaurate, SPAN 20 (SORBITAN MONOLAURATE)	emulsifier
E494	Sorbitan monooleate, SPAN 80 (SORBITAN MONOOLEATE)	emulsifier

E495	Combiton mononalmitato CDAN 40	emulsifier
£490	Sorbitan monopalmitate, SPAN 40	emuisiller
E496	(SORBITAN MONOPALMITATE)	
E496	Sorbitan trioleat, SPAN 85 (SORBITAN	stabilizer,
7500	TRIOLEAT)	emulsifier
E500	Sodium carbonates (SODIUM CARBONATES)	acidity regulator,
	(i) Sodium carbonate (Sodium carbonate)	leavening agent,
	(ii) Sodium hydrogen carbonate (Sodium	anti-caking and
	hydrogen carbonate) (iii) Sodium sesquicarbonate	anti-clumping additive
	(Sodium sesquicarbonate)	additive
E501	Potassium carbonates (POTASSIUM	acidity regulator,
H301	CARBONATES)	stabilizer
	(i) Potassium carbonate (Potassium	Stabilizer
	(1) Focassium carbonate (Focassium carbonate)	
	(ii) Potassium hydrogen carbonate	
	(Potassium hydrogen carbonate)	
E503	Ammonium carbonates (AMMONIUM CARBONATES)	acidity regulator,
	(i) Ammonium carbonate (Ammonium	leavening agent
	carbonate)	
	(ii) Ammonium hydrogen carbonate	
	(Ammonium hydrogen carbonate)	
E504	Magnesium carbonates (MAGNESIUM	acidity regulator,
	CARBONATES)	anti-caking and
	(i) Magnesium carbonate (Magnesium	anti-clumping
	carbonate)	additive,
	(ii) Magnesium hydrogen carbonate	colour stabilizer
	(Magnesium hydrogen carbonate)	
E505	Ferrous carbonate (FERROUS CARBONATE)	acidity regulator
E507	Hydrochloric acid (HYDROCHLORIC ACID)	acidity regulator
E508	Potassium chloride (POTASSIUM CHLORIDE)	gelling agent
E509	Calcium chloride (CALCIUM CHLORIDE)	firming agent
E510	Ammonium chloride (AMMONIUM CHLORIDE)	flour and bread
		improving agent
E511	Magnesium chloride (MAGNESIUM CHLORIDE)	firming agent
E513	Sulphuric acid (SULPHURIC ACID)	acidity regulator
E514	Sodium sulphates (SODIUM SULPHATES)	acidity regulator
E515	Potassium sulphates (POTASSIUM SULPHATES)	
E516	Calcium sulphate (CALCIUM SULPHATES)	flour and bread
		improving agent,
		sequestrant, firming agent
1	1	LITUTING AGENIC

	E517	Ammonium sulphates (AMMONIUM SULPHATE)	flour and bread improving agent, stabilizer
-	E518	Magnesium sulphates (MAGNESIUM SULPHATES)	firming agent
	E519	Cupric sulphate (CUPRIC SULPHATE)	colour retention agent, preservative
	E520	Aluminium sulphate (ALUMINIUM SULPHATE)	firming agent
	E521	Aluminium sodium sulphate, sodium alum (ALUMINIUM SODIUM SULPHATE)	firming agent
	E522	Aluminium potassium sulphate, potassium alum (ALUMINIUM POTASSIUM SULPHATE)	acidity regulator, stabilizer
	E523	Aluminium ammonium sulphate, ammonium alum (ALUMINIUM AMMONIUM SULPHATE)	stabilizer, firming agent
	E524	Sodium hydroxide (SODIUM HYDROXIDE)	acidity regulator
	E525	Potassium hydroxide (POTASSIUM HYDROXIDE)	acidity regulator
	E526	Calcium hydroxide (CALCIUM HYDROXIDE)	acidity regulator, firming agent
	E527	Ammonium hydroxide (AMMONIUM HYDROXIDE)	acidity regulator
	E528	Magnesium hydroxide (MAGNESIUM HYDROXIDE)	acidity regulator, colour stabilizer
Ī	E529	Calcium oxide (CALCIUM OXIDE)	acidity regulator, flour and bread improving agent
	E530	Magnesium oxide (MAGNESIUM OXIDE)	anti-caking and anti-clumping additive
	E535	Sodium ferrocyanide (SODIUM FERROCYANIDE)	anti-caking and anti-clumping additive
	E536	Potassium ferrocyanide (POTASSIUM FERROCYANIDE)	anti-caking and anti-clumping additive

E538	Calcium ferrocyanide (CALCIUM FERROCYANIDE)	anti-caking and anti-clumping
E539	Sodium thiosulphate (SODIUM THIOSULPHATE)	additive antioxidant,
7541		sequestrant
E541	Sodium aluminium phosphate (SODIUM ALUMINIUM PHOSPHATE)	acidity regulator,
	(i) Acidis (ACIDIS)(ii) Basic 8 (BASIC)	emulsifier
E542	Bone phosphate (Calcium phosphate) (BONE PHOSPHATE (essentiale Calcium phosphate, tribasic))	emulsifier, anti-caking and anti-clumping additive,
		humectant
E550	Sodium silicates (SODIUM SILICATES) (i) Sodium silicate (Sodium silicate) (ii) Sodium metasilicate (Sodium metasilicate)	anti-caking and anti-clumping additive
E551	Silicon dioxide amorphous (SILICON DIOXIDE AMORPHOUS)	anti-caking and anti-clumping additive
E552	Calcium silicate (CALCIUM SILICATE)	anti-caking and anti-clumping additive
E553	<pre>Magnesium silicates (MAGNESIUM SILICATES) (i) Magnesium silicate (Magnesium silicate) (ii) Magnesium trisilicate (Magnesium trisilicate) (iii) Talc (Talc)</pre>	anti-caking and anti-clumping additive, powder - carrier
E554	Sodium aluminosilicate (SODIUM ALUMINOSILICATE)	anti-caking and anti-clumping additive
E555	Potassium aluminium silicate (POTASSIUM ALUMINIUM SILICATE)	anti-caking and anti-clumping additive
E556	Calcium aluminium silicate (CALCIUM ALUMINIUM SILICATE)	anti-caking and anti-clumping additive
E558	Bentonite (BENTONITE)	anti-caking and anti-clumping additive

E559	Aluminium silicate (ALUMINIUM SILICATE)		
F008	Aluminium Silicale (ALOMINIOM SILICATE)	anti-caking and	
		anti-clumping	
BFCO		additive	
E560	Potassium silicate (POTASSIUM SILICATE)	anti-caking and	
		anti-clumping	
		additive	
E570	Fatty acids (FATTY ACIDS)	foam stabilizer,	
		glazing agent,	
		anti-foaming agent	
E574	Gluconic acid (D-) (GLUCONIC ACID (D-))	acidity regulator,	
		leavening agent	
E575	Glucono delta-lactone (GLUCONO DELTA -	acidity regulator,	
	LACTONE)	leavening agent	
E576	Sodium gluconate (SODIUM GLUCONATE)	sequestrant	
E577	Potassium gluconate (POTASSIUM GLUCONATE)	sequestrant	
E578	Calcium gluconate (CALCIUM GLUCONATE)	acidity regulator,	
		firming agent	
E579	Ferrous gluconate (FERROUS GLUCONATE)	colour stabilizer	
E580	Magnesium gluconate	acidity regulator,	
		firming agent	
E585	Ferrous lactate (FERROUS LACTATE)	colour stabilizer	
E620	Glutamic acid, L(+)- (GLUTAMIC ACID,	flavour enhancer	
	L(+)-)		
E621	Monosodium glutamate (MONOSODIUM	flavour enhancer	
	GLUTAMATE)		
E622	Monopotassium glutamate (MONOPOTASSIUM	flavour enhancers	
	GLUTAMATE)		
E623	Calcium glutamate (CALCIUM GLUTAMATE)	flavour enhancer	
E624	Monoammonium glutamate (MONOAMMONIUM	flavour enhancer	
	GLUTAMATE)		
E625	Magnesium glutamate (MAGNESIUM GLUTAMATE)	flavour enhancer	
E626	Guanylic acid (GUANYLIC ACID)	flavour enhancer	

E627	Disodium 5'-guanylate (DISODIUM 5'- GUANYLATE)	flavour enhancer
E628	Dipotassium 5'-guanylate (DIPOTASSIUM 5'- GUANYLATE)	flavour enhancer
E629	Calcium 5'-guanylate (CALCIUM 5'- GUANYLATE)	flavour enhancer
E630	Inosinic acid (INOSINIC ACID)	flavour enhancer
E631	Disodium 5'-inosinate (DISODIUM 5'- INOSINATE)	flavour enhancer
E632	Potassium inosinate (POTASSIUM INOSINATE)	flavour enhancer
E633	Calcium 5'-inosinate (CALCIUM 5'- INOSINATE)	flavour enhancer
E634	Calcium 5'-ribonucleotides (CALCIUM 5'- RIBONUCLEOTIDES)	flavour enhancer
E635	Disodium 5'-ribonucleotides (DISODIUM 5'- RIBONUCLEOTIDES)	flavour enhancer
E636	Maltol (MALTOL)	flavour enhancer
E637	Ethyl maltol (ETHYL MALTOL)	flavour enhancer
E640	Glyvine (GLYCINE)	flavour modifier
E641	L-leucine (L-LEUCINE)	flavour modifier
E642	Lysin hydrochlorid (LYSIN HYDROCHLORID)	flavour enhancer
E900	Polydimethylsiloxane (POLYDIMETHYLSILOXANE)	anti-foaming agent, emulsifier, anti-caking and anti-clumping additive
E901	Beeswax, white and yellow (BEESWAX, WHITE AND YELLOW)	glazing agent, release agent
E902	Candelilla wax (CANDELILLA WAX)	glazing agent
E903	Carnauba wax (CARNAUBA WAX)	glazing agent
E904	Shellac (SHELLAC)	glazing agent
E905a	Mineral oil, food grade (MINERAL OIL, FOOD GRADE)	glazing agent, release agent, encapsulant
E905b	Petrolatum (petroleum jelly)	glazing agent,
	(PETROLATUM (PETROLEUM JELLY))	release agent, encapsulant

E905c	Petroleum wax (PETROLEUM WAX)	glazing agent,
	(i) Microcrystalline wax	release agent,
	(MICROCRYSTALLINE WAX)	encapsulant
		glazing agent
		glazing agent
	(ii) Paraffin wax (PARAFFIN WAX)	
E906	Benzoin gum (BENZOIN GUM)	glazing agent
E908	Rice bran wax (RICE BRAN WAX)	glazing agent
E909	Spermaceti wax (SPERMACETI WAX)	glazing agent
E910	Wax esters (WAX ESTERS)	glazing agent
E911	Methyl esters of fatty acids (METHYL	glazing agent
	ESTERS OF FATTY ACIDS)	
E913	Lanolin (LANOLIN)	glazing agent
E920	Cysteine, L- and ts hydrochlorides -	flour and bread
	sodium and potassium salts (CYSTEINE, L-	improving agent
	AND ITS HYDROCHLORIDES - SODIUM AND	1 5 5
	POTASSIUM SALTS)	
E921	Cystine, L- and its hydrochlorides -	flour and bread
	sodium and potassium salts (CYSTEINE, L-	improving agent
	AND ITS HYDROCHLORIDES - SODIUM AND	
	POTASSIUM SALTS)	
E927a	Azodicarbonamide (AZODICARBONAMIDE)	flour and bread
		improving agent
E927b	Carbamide (urea) (CARBAMIDE (UREA))	texturator
E928	Benzoyl peroxide (BENZOYL PEROXIDE)	flour and bread
		improving agent,
		preservative
E930	Calcium peroxide (CALCIUM PEROXIDE)	flour and bread
		improving agent
E938	Argon (ARGON)	propellant,
		packaging gas
E939	Hellium (GELLIUM)	propellant,
		packaging gas
E940	Dichlorodifluoromethane (freon -12)	propellant,
	(DICHLORODIFLUOROMETHANE)	cooling agent
E941	Nitrogen (NITROGEN)	gas environment
		used for packaging
		and storage,
		cooling agent
E942	Nitrous oxide (NITROUS OXIDE)	propellant,
		packaging gas
E943a	Butane (BUTANE)	propellant
	Isobutane (ISOBUTANE)	propellant

E944	Propane (PROPANE)	propellant
E945	Chloropentafluoroethane	propellant
	(CHLOROPENTAFLUOROETHANE)	
E946	Octafluorocyclobutane	propellant
	(OCTAFLUOROCYCLOBUTANE)	
E948	Oxygen (OXYGEN)	propellant,
		packaging gas
E950	Acesulfame potassium (ACESULFAME	sweetener
	POTASSIUM)	
E951	Aspartame (ASPARTAME)	sweetener, flavour
		enhancer
E952	Cyclamic acid and Na, K, Ca salts	sweetener
	(CYCLAMIC ACID and Na, K, Ca salts)	
E953	Isomalt, somaltitol, (ISOMALT, SOMALTITOL)	sweetener, anti-
2000		caking and anti-
		clumping additive,
		filling agent,
		glazing agent
E954	Saccharin (Na, K, Ca salts)	sweetener
ПЭЭч	(SACCHARIN and Na, K, Ca salts)	Sweetener
E955	Sucralose (trichlorogalactosucrose)	sweetener
500	(SUCRALOSE (TRICHLOROGALACTOSUCROSE))	Sweetener
E957	Thaumatin (THAUMATIN)	
6907	Inaumacin (InAUMAIIN)	sweetener, flavour
E958	Clucumphicip (CLVCVDDULTEIN)	enhancer
E920	Glycyrrhizin (GLYCYRRHIZIN)	sweetener, flavour
DOFO		enhancer
E959	Neohesperidine dihydrohalcone	sweetener
	(NEOHESPERIDINE DIHYDROCHALCONE)	
E960	Stevioside (STEVIOSIDE)	sweetener
	oduced by Amendments and Additions No	
	tion No. 41 of Chief State Sanitary Inspec	tor of the RF dated
15.04.		1
E962	Twinsweet (TWINSWEET)	sweetener
	(introduced by Amendments and Additions	
	No. 2, approved by Resolution No. 41 of	
	Chief State Sanitary Inspector of the RF	
	dated 15.04.2003)	
E965	Maltitol and maltitol syrup (MALTITOL AND)sweetener,
	MALTITOL SYRUP)	stabilizer,
		emulsifier
E966	Lactitol (LACTITOL)	sweetener,
		texturator

E967	Xylitol (XYLITOL)	sweetener	
	VALLON (VITILOT)	sweetener,	
		humectant,	
H 000		stabilizer, emulsifier	
E999	Quillaia extract (QUILLAIA EXTRACTS)	foaming agent	
E1000	Cholic acid (CHOLIC ACID)	emulsifier	
E1001	Choline, salts and esters (CHOLINE SALTS AND ESTERS)	emulsifier	
E1100	Amylases (AMYLASES)	flour and bread improving agent	
E1101	Proteases (PROTEASES)	flour and bread improving	
	(i) Protease (PROTEASE)	agent stabilizer,	
	(ii) Papain (Papain)	ripening agent for meat	
	(iii) Bromelain (Bromelain)	and fish, flavour	
	(iv) Ficin (Ficin)	enhancer	
E1102	Glucose oxidase (GLUCOSE OXIDASE)	antioxidant	
E1103	Invertases (INVERTASES)	stabilizer	
E1104	Lipases (LIPASES)	flavour enhancer	
E1105	Lysozyme (LYSOZYME)	preservative	
E1200	Polydextroses A and N (POLYDEXTROSES A	filling agent, stabilizer, thickening agent,	
	AND N)		
		humectant, texturator	
E1201	Polyvinylpyrrolidone	thickening agent, stabilizer, clearer,	
	(POLYVINYLPYRROLIDONE)		
	(1021,11121,11102120112)	dispersant	
E1202	Polyvinylpolypyrrolidone	colour stabilizer,	
-	(POLYVINYLPOLYPYRROLIDONE)	colloidal stabilizer	
E1400	Dexterins, roasted starch white and	stabilizer,	
	yellow (DEXTRINS, ROASTED STARCH WHITE	thickening agent,	
	AND YELLOW)	binder	
E1401	Acid-treated starch (ACID-TREATED STARCH)		
TALTT	ACIU CIEateu Staten (ACID-INEATED STARCH)	agent, binder	
E1402			
L14UZ	Alkaline treated starch (ALKALINE TREATED		
	STARCH)	agent, binder	

E1403	Bleached starch (BLEACHED STARCH)	stabilizer,
LI 100	breached staten (bleached Staten)	thickening agent,
		binder
E1404	Oxidized starch (OXIDIZED STARCH)	
E1404	OXIGIZED STARCH)	emulsifier,
		thickening agent,
D140 F		binder
E1405	Starches enzyme-treated	thickening agent
	(STARCHES ENZIME-TREATED)	
E1410	Monostarch phosphate (MONOSTARCH	stabilizer,
	PHOSPHATE)	thickening agent,
		binder
E1411	Distarch glycerol, cross-linked (DISTARH	stabilizer,
	GLICEROL)	thickening agent
E1412	Distarch phosphate esterified with sodium	stabilizer,
	trimetasphosphate; esterified with	thickening agent,
	phosphorus oxychloride (DISTARCH	binder
	PHOSPHATE ESTERIFIED WITH SODIUM	
	TRIMETASPHOSPHATE; ESTERIFIED WITH	
	PHOSPHORUS OXYCHLORIDE)	
E1413	Phosphated distarch phodphate, cross-	stabilizer,
	linked	thickening agent,
	(PHOSPHATED DISTARCH PHOSPHATE)	binder
E1414	Acetylated distarch phosphate, cross-	emulsifier,
	linked	thickening agent
	(ACETYLATED DISTARCH PHOSPHATE)	enrekening agene
E1420	Starch acetate esterified with acetic	stabilizer,
21100	anhydride	thickening agent
	(STARCH ACETATE ESTERIFIED WITH ACETIC	chiekening agene
	ANHYDRIDE)	
E1421	Starch acetate esterified with vinyl	stabilizer,
	acetate	thickening agent
	(STARCH ACETATE ESTERIFIED WITH VINYL	chickening agenc
E1422	ACETATE) Acetylated distarch adipate (ACETYLATED	stabilizer,
61422	DISTARCH ADIPATE)	
	DISTARCH ADIPATE)	thickening agent,
E1423	Acctulated distance -11 (ACERTINE	binder
L1423	Acetylated distarch glycerol (ACETYLATED	stabilizer,
	DISTARCH GLYCEROL)	thickening agent,
D1440		binder
E1440	Hydroxypropyl starch (HYDROXYPROPYL	emulsifier,
	STARCH)	thickening agent,
		binder
E1442		stabilizer,
	linked	thickening agent
	(HYDROXYPROPYL DISTARCH PHOSPHATE)	
E1443	Hydroxypropyl distarch glycerol	stabilizer,
	(HYDROXYPROPYL DISTARCH GLYCEROL)	thickening agent
E1450	Starch sodium octenyl succinate	stabilizer,
		thickening agent,

	(STARCH SODIUM OCTENYL SUCCINATE)	binder, emulsifier
E1451	Acetilated oxydised starch (ACETILATED	emulsifier,
	OXYDISED STARCH)	thickening agent
E1503	Castor oil (CASTOR OIL)	release agent
E1505	Tiethyl citrate (TRIETHYL CITRATE)	foaming agent
E1518	Triacetin (TRIACETIN)	humectant
E1520	Propylene glycol (PROPYLENE GLYCOL)	humectant,
		softening agent
		and dispersant
E1521	Polyethylene glycol (POLYETHYLENE GLYCOL)	anti-foaming agent
-	allyl isothiocyanate	preservative
	N-Lauroyl Glutamic acid	preservative,
-		flour, bread
		improving agent
	N-lauroyl asparaginic acid	preservative,
-		flour, bread
		improving agent
	N-Lauroyl Glycerol	preservative,
-		flour, bread
		improving agent
-	Vanillin	flavour substance
-	Dihydroquercetin	antioxidant
-	Imbricin	preservative
-	Quercetin	antioxidant
-	Caramel No.1 (Red)	colouring agent
-	Caramel No.2(Red)	colouring agent
-	Caramel No.3(Red)	colouring agent
-	Red rice (RED RICE)	colouring agent
-	Soapwort decoction (Acantophyllum sp.),	stabilizer
	dencity 1.05	
-	Oxyethyl succinate-21	emulsifier
_	Polyvinyl alcohol	humectant
-	Hydrogen Peroxide	preservative
-	Polyoxyethylene	clearer
_	Ethoxyquin	preservative
-	Stevia (Stevia rebaudiana Bertoni),	

powder from leaves and syrup thereof (as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)				
-	Sodium, potassium and calcium succinates	acidity – regulators		
-	Ultramarine	colouring agent		
-	Potassium formate (POTASSIUM FORMATE)	preservative		
-	Chitosan, chitosonium hydrochloride	filling agent, thickening agent, stabilizer		
-	Ferrous chloride	flour and bread improving agent		
- Erythritol (ERYTHRITOL) sweetener (introduced by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)				
-	Juglone	preservative		

Annex 8 to SanPiN 2.3.2.1078-01, approved by Resolution No. 36 of the Chief State Sanitary Inspector of the RF dated November 14, 2001

HYGIENIC REQUIREMENTS FOR SAFETY OF CANNED FOOD PRODUCTS

Depending on the composition of a canned food product (canned food), the value of the active acidity (pH) and a dry substances content the canned foods are divided into 5 groups: A, B, C, D, E, F. The canned products of groups A, B, C, D and F refer to the fully canned food and group E - to semicanned foods.

Drinking dairy products (milk, cream, desserts etc.), subjected to various ways of thermophysical treatment and aseptic filling, form a separate group of sterilized products.

The canned foods for children and dietic nourishment are divided into the same groups as stated above.

Food products sealed in airtight containers, subjected to heat treatment ensuring the microbiological stability and safety of the product during its storage and sale in standard conditions (not in the refrigerator) shall be referred to the fully canned foods.

Food products sealed in airtight containers subjected to heat treatment ensuring the death of not thermoresistant asporogenous microflora, reducing the number of spore-forming microorganisms and ensuring the microbiological stability and safety of the product within a limited shelf life at temperatures of 6 Celsium degrees and below shall be referred to the semicanned foods.

The canned foods are divided into the following groups:

- Group A - canned food products with pH of 4.2 and above, as well as vegetable, meat, meat and vegetable, fish and vegetable and fish canned products with not-limited acidity, prepared without addition of acid; fruit drinks, juices and puree from apricots, peaches and pears with pH 3.8 and above, condensed sterilized canned milk, canned foods with a complex composition of the raw materials (fruit and berry, fruit and vegetable and vegetable with milk component);

Group B - canned tomato products:

a) unconcentrated tomato products (canned plain tomatoes, tomato drinks) with dry substances content of less than 12%;

b) concentrated tomato products with dry substances content 12% and more (tomato paste, tomato sauce, ketchup etc.);

- Group C - canned subacid vegetable marinades, juices, salads, vinaigrettes and other products with pH 3.7–4.2, including canned cucumbers, vegetable and other canned foods with adjusted acidity;

- Group D - canned vegetables with pH below 3.7; fruit and fruit and berry pasteurized canned foods; canned foods for public catering with sorbic acid and pH below 4.0; canned apricots, peaches and pears with pH below 3.8; vegetable juices with pH below 3.7; fruit (citrus) and fruit and berry juices, including juices with sugar, natural and pulpy, concentrated, pasteurized juices; canned juices from apricots, peaches and pears with pH 3.8 and below; beverages and concentrated beverages on the vegetable basis with pH 3.8 and below packaged by aseptic filling;

- Group E - pasteurized meat, meat and vegetable, fish and fish and vegetable canned products (bacon, salted and smoked bacon, sausages, ham etc.);

Group F - pasteurized carbonated fruit juices and carbonated fruit drinks with pH 3.7 and below.

Taking of samples of canned foods and their preparation for laboratory research for compliance with the safety requirements according to the microbiological indicators shall be carried out after their inspection and sanitary processing, leakage check, thermostatting of the canned foods and the evaluation of the canned foods external appearance after the thermostatting.

Table 1

Microbiological Safety Indicators (Industrial Sterility) of Fully Canned Foods of Groups A and B <*>

No.	Microorganisms Detected in Canned Food	General Purpose Canned Foods	Canned Foods for Children and Dietic Nourishment
1	2	3	4
1.	Spore-forming mesophilic aerobic and facultative anaerobic microorganisms of Group B. subtilis	Meet the requirements of industrial sterility. In case of detection of such microorganisms their amount shall not be more than 11 cells in 1 g (cm ³) of the product.	
2.	Spore-forming mesophilic aerobic and facultative anaerobic microorganisms of Group B. cereus and (or) B. polymyxa	Do not meet the requirements of industrial sterility	
3.	Mesophilic clostridia	Meet the requirements of industrial sterility, if the detected Mesophilic clostridia are not referred to C. botulinum and (or) C. perfringens. In case of detection of Mesophilic clostridia their amount shall not be more than 1 cell in 1 g (cm ³) of product.	Do not meet the requirements of industrial sterility if detected in 10 g (cm ³) of the product
4.	Non-spore-forming microorganisms and (or) mold mushrooms and (or) yeast	Do not meet the requirements of industrial sterility	
5.	Mold mushrooms, yeast, lactic acid microorganisms (at seeding on these groups)		Do not meet the requirements of industrial sterility
6.	Spore-forming thermophilic anaerobic, aerobic and facultative anaerobic microorganisms	Meet the requirements of industrial sterility, but the storage temperature shall not be above 20 Celsius degree.	Do not meet the requirements of industrial sterility

<*> For condensed sterilized canned milk the assessment of the industrial sterility shall be carried out in accordance with the effective state standard.

Microbiological Safety Indicators (Industrial Sterility) of Fully Canned Foods of Group C and D
No.	Microorganisms Detected in Canned Foods	Group C	Group D
1.	Gas-producing spore-forming mesophilic aerobic and facultative anaerobic microorganisms of Group B. polymyxa	Do not meet the requirements of industrial sterility	Not detected
2.	Nongas-producing spore-forming mesophilic aerobic and facultative anaerobic microorganisms	Meet the requirements of industrial sterility at detection of these microorganisms in the amount of not more than 90 CFU in 1g (cm ³) of product	Not detected
3.	Mesophilic clostridia	Meet the requirements of industrial sterility, if the detected mesophilic clostridia are not referred to C. botulinum and (or) C. perfringens. In case of detection of mesophilic clostridia their amount shall not be more than 1 cell in 1 g (cm ³) of product.	Not detected
4.	Non-spore-forming microorganisms and (or) mold mushrooms and (or) yeast	Do not meet the requirements of industrial sterility	

Table 3

Microbiological Safety Indicators (Industrial Sterility) of Canned Foods of Group F

No.	Indicators	Permissible Level Meeting the Industrial Sterility
		Requirements
1.	Quantity of mesophilic aerobic and facultative anaerobic microorganisms (QMAFAnM)	Not more than 50 CFU/g (cm ³)
2.	Lactic acid microorganisms	Not allowed in 1 g (cm ³) of product
3.	Colibacillus group bacteria (CGB, coliforms)	Not allowed in 1000 g (cm ³) of product
4.	Yeast	Not allowed в g (cm ³) of product
5.	Mould	Not more than 50 CFU/g (cm ³)

Table 4

Microbiological Safety Indicators (Industrial Sterility) of Semicanned Foods of Group E

No.	Indicators	Permissible Level Meeting the Industrial Sterility
NO.		Requirements
1.	Quantity of mesophilic aerobic and facultative anaerobic microorganisms (QMAFAnM)	Not more than 2 x 1E2 CFU/g(cm ³)
2.	Colibacillus group bacteria (CGB, coliforms)	Not allowed in 1 g (cm ³) of product
3.	B. cereus	Not allowed in 1 g (cm ³) of product
4.	Sulfite-reducing clostridia	Not allowed in 0.1 g (cm ³) of product <*>
5.	S. aureus	Not allowed in 1 g (cm ³) of product
6.	Pathogenic, including salmonella	Not allowed in 25 g (cm ³) of product

<*> For fish semicanned foods not allowed in 1.0 g (cm³) of product.

Table 5

Microbiological Safety Indicators (Industrial Sterility) of Drinking Sterilized Milk and Cream and other Milk-based Products of Aseptic Filling

No. n/n	Indicators	Conditions and Permissible Levels Meeting the Industrial Sterility Requirements
1.	Thermostatic holding at 37°C for 3-5 days	Absence of visible defects and signs of spoilage (package swelling, change in appearance etc.)
2.	Acidity, °T <*>	Change of titrated acidity of not more than by 2°T
3.	Quantity of mesophilic aerobic and facultative anaerobic microorganisms <*>	Not more than 10 CFU/g (cm³)
4.	Microscope slide	Absence of bacterium cells
5.	Organoleptic property	Absence of change in taste and consistence

<*> Shall be determined at sanitary and epidemiological expertise, at control of children and dietary food products and repeated researches.

ConsultantPlus: note.

The Annex was not submitted for registration to the Ministry of Justice of the Russian Federation.

Annex 9 (Reference) to SanPiN 2.3.2.1078-01

9. GENERAL TERMS AND DEFINITIONS

For the purposes of these Sanitary Rules the following terms and definitions shall be used: food products mean products in the natural or processed form, which are used for human food (including children food products, dietary products), bottled drinking water, alcoholic beverages (including beer), soft drinks, chewing gum and food staples, food additives and biologically active additives;

children food products mean food products designed for children under the age of 14 years and meeting the physiological needs of the child's organism;

dietary products mean food products designed for therapeutic and preventive nourishment;

food staples mean the raw materials of plant, animal, microbial, mineral and synthetic origin and water used for preparation of food products;

food additives mean natural or artificial substances and their compounds, specially introduced into food products during the manufacturing process in order to give the food products certain properties and (or) to preserve the quality of food products;

biologically active additives mean natural (identical to natural) biologically active substances, intended for use together with food or for indtroducing into the food products composition;

probiotic products mean food products manufactured with the addition of live cultures of probiotic microorganisms and prebiotics;

probiotic microorganisms mean living non-pathogenic and nontoxigenic microorganisms - the representatives of the protecting groups of the normal intestinal microbiocenosis of man and natural symbiotic associations, having positive influence on the human body by maintaining the normal composition and biological activity of the microflora in the digestive tract, mainly of the genera: Bifidobacterium, Lactobacillus, Lactococcus, Propionibacterium, etc;

prebiotics mean food substances that selectively stimulate the growth and (or) the biological activity of the representatives of the protective intestinal microflora, thereby contributing to the maintenance of its normal structure and biological activity;

genetically modified food sources mean food products (components) used for human food in the natural or processed form derived from genetically modified organisms;

genetically modified organisms mean an organism or a few organisms, any non-cellular, single-celled or multicellular organisms capable of reproduction or transmission of the inherent genetic material, different from natural organisms obtained by making use of genetic engineering and containing genetically engineered material, including genes, fragments thereof or a combination of genes;

quality of food products mean a set of characteristics of food products that can satisfy the human need for food under normal conditions of their use;

safety of food products mean the state of reasonable assurance that the food products are not harmful under normal conditions of their use and are not dangerous to the health of current and future generations;

nutritional value of food products means a set of food product properties which (if available) satisfy the human physiological needs for the required substances and energy;

quality and safety certificate of food products mean a document in which the manufacturer certifies that the quality and safety of each batch of food products comply with the requirements of the regulatory and technical documents;

regulations mean state standards, sanitary and veterinary rules and standards establishing the requirements for the quality and safety of food products, materials and goods, control of their quality and safety, conditions of their manufacture, storage, transportation, sale and use, disposal or destruction of low-quality, hazardous food products, materials and goods;

technical documents mean the documents under which the manufacture, storage, transportation and sale of food products, materials and goods are carried out (technical requirements, technological instructions, formulations, etc.);

turnover of food products means purchase and sale (including export and import) and other ways of food products transfer (hereinafter referred to as the sale), their storage and transportation;

food products disposal mean the use of low-quality and dangerous food products for the purposes other than the purpose for which the food products are intended and for which they are commonly used.

ConsultantPlus: note.

The Annex was not submitted for registration to the Ministry of Justice of the Russian Federation.

Annex 10 (Reference) to SanPiN 2.3.2.1078-01

10. NORMATIVE AND METHODICAL DOCUMENTS ON METHODS FOR DETECTION AND CONTROL OF SAFETY AND NUTRITIONAL VALUE OF FOOD PRODUCTS

10.1 GOST (State Standard) 30178-96 Food Raw Materials and Products. Atomic Absorption Method for Detection of Toxic Elements. International Standard.

10.2 GOST 8558.1-78 Meat Products. Nitrite Detection Methods.

10.3 GOST 26927-86 Food Raw Materials and Products. Mercury Detection Methods.

10.4 GOST 26928-86 Food Raw Materials and Products. Iron Detection Methods.

10.5 GOST 26930-86 Food Raw Materials and Products. Arsenic Detection Methods.

10.6 GOST 26931-86 Food Raw Materials and Products. Copper Detection Methods.

10.7 GOST 26932-86 Food Raw Materials and Products. Lead Detection Methods.

10.8 GOST 26933-86 Food Raw Materials and Products. Cadmium Detection Methods.

10.9 GOST 26934-86 Food Raw Materials and Products. Zinc Detection Methods.

10.10 GOST 26935-86 Food Raw Materials and Products. Tin Detection Methods.

10.11 MU (Methodological Instructive Regulations) 5178-90 Methodological Instructive Regulations for Detection of Mercury in Food Products.

10.12 MU 01-19/47-11-92 Methodological Instructive Regulations for the Atomic Absorption Method for Detection of Toxic Elements in Food Products.

10.13 GOST 28038-89 Processed Fruit and Vegetables. Penicidin Detection Method.

10.14 MU 4082-86 Methodological Instructive Regulations for Finding, Identification and Detection of Aflatoxins in Food Staples and Food Products by High Performance Liquid Chromatography.

10.15 MU 5177-90 Methodological Instructive Regulations for Identifying and Detecting the Content of Desoxynivalenol (Vomitoxin) and Zearalenone in Grain and Grain Products.

10.16 GOST R 51116-97 Feed-Stuff, Grain and its Derived Products. Methods for Detection of Desoxynivalenol (Vomitoxin) Content.

10.17 MU 3184-84 Methodological Instructive Regulations for Finding, Identification and Detection of T-2 Toxin in Food Products and Food Raw Materials.

10.18 MUK 4.4.1.011-93 Detection of Volatile N-Nitrosamines in Food Staples and Food Products.

10.19 SanPiN 42-123-4083-86 Temporary Hygienic Regulations and Method for Detecting the Content of Histamine in Fish Products.

10.20 MU 5048-89 Detection of Nitrates and Nitrites in Plant Products.

10.21 GOST 29270-95 Processed Fruit and Vegetables. Nitrates Detection Method.

10.22 MU 4721-88 Methodological Instructive Regulations for Finding, Identification and Quantitative Measurement of Saturated and Mono-, Bi-, Tri- and a Number of Polycyclic Aromatic Hydrocarbons in Food Products.

10.23 GOST R 51 650 Food Raw Materials and Products. Methods for Determining the Mass Fraction of Benz(a)pyrene.

10.24 Methodological Instructive Regulations for the Detection of the Carcinogenic Hydrocarbon Benzo(a)pyrene in some Food Products and Packaging Materials (No. 1426-76 of the Ministry of Health of the USSR).

10.25 MUK 4.1-1023-01 Isomer-Specific Detection of Polychlorinated Biphenyls (PCBs) in Food Products. Ministry of Health adn Social Development of the Russian Federation, Moscow, 2001.

10.26 GOST R 30059-93, Soft Drinks. Aspartame, Saccharin, Caffeine and Sodium Benzoate Detection Methods.

10.27 GOST 26181-84 Processed Fruit and Vegetables. Sorbic Acid Detection Methods.

10.28 GOST R 50476-93 Processed Fruit and Vegetables. The Method for Determining the Content of Sorbic and Benzoic Acids at their Copresence.

10.29 GOST 8756.1-89 Processed Fruit and Vegetables. Benzoic Acid Detection Method.

10.30 GOST R 51182-98 Coffee Products. The Method of Measurement of Caffeine Mass Fraction.

10.31 GOST 14351-73 Wine and Brandy Spirits. Method for Detection of Free and Total Sulphurous Acid.

10.32 GOST 26811-86 Confectionery. The Method of Determining the Mass Fraction of Total Sulphurous Acid.

10.33 Methodological Instructive Regulations for the Detection of Antioxidants in Chewing Gum (No. 01-19/60-11 dated 04.04.93).

10.34 GOST R 51240-98, Fruit and Vegetable Juices. Method for Detection of D-Glucose and D-Fructose.

10.35 GOST 30089-93, Vegetable Oils. Erucic Acid Detection Method.

10.36 GOST 30627.1-98 Dairy Products for Children Food. Methods of Measuring the Mass Fraction of Vitamin A (Retinol).

10.37 GOST 30627.2-98 Dairy Products for Children Food. Methods of Measuring the Mass Fraction of Vitamin C (Ascorbic Acid).

10.38 GOST 30627.3-98 Dairy Products for Children Food. Methods of Measuring the Mass Fraction of Vitamin E (Tocopherol).

10.39 GOST 30627.4-98 Dairy Products for Children Food. Methods of Measuring the Mass Fraction of Vitamin PP (Niacin).

10.40 GOST 30627.5-98 Dairy Products for Children Food. Methods of Measuring the Mass Fraction of Vitamin B_1 (Thiamine).

10.41 GOST 30627.6-98 Dairy Products for Children Food. Methods of Measuring the Mass Fraction of Vitamin B_2 (Riboflavin).

10.42 MR (Methodological Recommendations) 01-19/137-17-95 Methodological Recommendations for the Stripping Voltammetry Detection of Toxic Elements and Vitamins in Food Products, Food Staples, Cosmetics and Toys.

10.43 GOST 30418-96, Vegetable oils. Method for Detection of Fatty Acid Composition.

10.44 GOST 51698-2000 Vodka and Ethyl Alcohol. Gas Chromatographic Method for the Detection of Toxic Trace.

10.45 Methodological Instructive Regulations for Finding, Identification and Detection of Residues of Laevomycetin in Food Products of Animal Origin. Minsk—Moscow, 1991.

10.46 MUK 4.2.026-95 Express Method of Detecting Antibiotics in Food Products.

10.47 MU 3049-84 Methodological Instructive Regulations for the Detection of Residues of Antibiotics in Animal Products.

10.48 GOST 23454-79 Milk. Inhibiting Substances Detection Methods.

10.49 GN (Hygienic Regulations) 1.1546-96 Hygienic Regulations for Pesticides Content in the Environment.

10.50 MU 5778-91 Strontium-90. Detection in Food Products. Moscow, 1991. Certificate MA MVI IBF No. 14/1-89.

10.51 MU 5779-91, Cesium-137. Detection in Food Products. Moscow, 1991. Certificate MA MVI IBF No. 15/1-89.

10.52 MUK 2.6.2717-98 Radiation Control. Sr90 and Cs137. Food Products. Taking of Samples, Analysis and Hygienic assessment. Methodological Instructive Regulations.

10.53 The Method of Measurement. Cesium-134, Cesium-137 and Potassium-40. Detection in Samples of Agricultural Products and Vegetation using a Scintillation Gamma-Ray Spectrometer. Moscow, 1991. Certificate MA MVI IBF No. 37/17-91.

10.54 Methodological Instructive Regulations. Specific Activity of Strontium-90. Beta-spectrometric Measurements in the Environment, Food Products and Bioassays. Approved by the Head of Center for Metrology of Ionizing Radiation of Scientific-Production Association National Research Institute for Physicotechnical and Radio Engineering Measurements named after V.P. Yaryna dated 23.06.93.

10.55 SanPiN 3.2.569-96 Prevention of Parasitic Diseases in the Territory of the Russian Federation.

10.56 MUK 4.2.964-00 Sanitary Parasitological Studies of Water of Economic and Drinking Use.

10.57 Prevention and Control of Communicable Diseases Common to Humans and Animals. Book of Sanitary and Veterinary Rules. Moscow, 1996.

10.58 Methods for the Laboratory Diagnosis of Trichinosis. Approved by the Main Administration for Veterinary of Gosagroprom of the USSR. (Veterinary Legislation. Moscow, 1988. V. 4. Pp. 250–251).

10.59 MUK 3.2.988-00 Methods of Sanitary Parasitological Examination of Fish, Mollusks, Crustaceans, Amphibians, Reptiles and their Derived Products.

10.60 Regulations for the Sanitary-Parasitological Evaluation of Sea Fish and Fish Products (Raw Fish, Chilled and Frozen Sea Fish Intended for Sale in Trade Network and Public Catering Enterprises). Agreed upon with Ministry of Health of the USSR on 22.12.89.

10.61 MUK 4.2.796-99 Methods for Sanitary Parasitological Studies.

10.62 Sanitary Regulations for Use of Food Additives (Ministry of Health of the USSR, No. 1923-78. Moscow, 1979) as amended.

10.63 SanPiN 2.1.4.1074-01 Drinking Water. Hygiene Requirements for the Water Quality of Centralized Drinking Water Supply Systems. Quality Control.

10.64 GOST 7698-93 Starch. Rules for Acceptance and Methods of Analysis.

10.65 GOST 51144-98 Wine Industry Products. Rules for Acceptance and Sampling Methods.

10.66 GOST 51135-98 Alcoholic Products. Rules for Acceptance and Methods of Analysis.

10.67 GOST 300004.2-93 Mayonnaise. Rules for Acceptance and Test Methods.

10.68 GOST 8756.18-70 Canned Food Products. Method for Evaluating the Appearance, Container Airtightness and Condition of the Inner Surface of the Metal Containers.

10.69 Instruction on the Procedure and Frequency of Control over the Content of Microbiological and Chemical Contaminants in Milk and Dairy Products at the Dairy Industry Enterprises (Moscow, 1996).

10.70 Instruction on the Procedure and Frequency of Control over the Content of Microbiological and Chemical Contaminants in Meat, Poultry, Eggs and their Derived Products (Moscow, 2000).

10.71 GOST R 51301-99, Food Products and Food Staples. Stripping-Voltammetry Methods for the Detection of Toxic Elements Content (Cadmium, Lead, Copper and Zinc).

10.72 MUK 4.1.985-00 Detection of Toxic Elements Content in Food Products and Food Staples. Autoclave Sample Preparation Technique.

10.73 MUK 4.1.986-00 Method of Measurement of the Mass Fraction of Lead and Cadmium in Food Products and Food Staples by Electrothermal Atomic Absorption Spectrometry.

10.74 MUK 4.1.991-00 Method of Measurement of the Mass Fraction of Copper and Zinc in Food Products and Food Staples by Electrothermal Atomic Absorption Spectrometry.

10.75 MUK 4.1.003-95 Detection of Selenium in Food Products.

10.76 GOST R 51232-98 Drinking Water. General Requirements for the Arrangement and Methods of Quality Control.

10.77 GOST R 51762-2001 Vodka and Ethyl Alcohol made from Food Raw Materials. Gas Chromatographic Method for the Detection of Volatile Acids and Furfural Content.

10.78 GOST R 51786-2001 Vodka and Ethyl Alcohol Made from Food Raw Materials. Gas Chromatographic Method for Determining the Authenticity.

10.79 GOST 30711-2001 Food Products. Methods for Finding and Detection of Aflatoxins B1 and M1 Content.

10.80 GOST R 51181-98 Food Concentrates for Children and Dietary Nourishment. Method of Measurement of Mass Fraction of Carotenoids.

10.81 GOST R 50479-93 Processed Fruit and Vegetables. Method for Detection of Vitamin PP Content.

10.82 GOST R 51435-99 (ISO 8128-1-93) Apple Juice, Canned Apple Juice and Drinks Containing Apple Juice. Method for Patulin Content Detection by High Performance Liquid Chromatography.

10.83 GOST R 51440-99 (ISO 8128-2-93) Apple Juice, Canned Apple Juice and Drinks Containing Apple Juice. Method for Patulin Content Detection by Thin-Layer Chromatography.

10.84 Guidance on the Methods of Analysis of the Food Products Quality and Safety. /Under the editorship of I.M. Skurikhin, V.A. Tutelyan. Moscow, Brandes-Medicine, 1998.

10.85 GOST 30349-96, Fruits, Vegetables and their Derived Products. Methods for Detection of Organochlorine Pesticides Residues.

10.86 GOST 23452-79 Milk and Dairy Products. Methods for Detection of Organochlorine Pesticides Residues.

10.87 MU No. 2142-80 Methodological Instructive Regulations for the Detection of Organochlorine Pesticides in Water, Food Products, Feeding Stuffs and Tobacco Products by Thin-Layer Chromatography.

10.88 MU No. 1875-78 Methodological Instructive Regulations for the Detection of Organochlorine Pesticides in Vegetable Oils and Animal Fats, Phosphatide Concentrates, Husk, Bagasse and Extraction Cake by Liquid Chromatography.

10.89 Detection of Aldrin, Hexachlorane, Heptachlor, DDT, DDD, Dichlorodiphenylethylene in Water, Vegetables, Fruits and Biological Material by Gas-Liquid Chromatography. In the book Methods of Detection of Pesticides Trace in Food Products, Feeding Stuffs and the Environment. Moscow, Kolos, 1977. Pp. 17–20.

10.90 MU No. 1222-75 Detection of Organochlorine Pesticides in Meat, Products and Animal Fats by Thin-Layer Chromatography.

10.91 MU 1350-75 Methodological Instructive Regulations for the Detection of Organochlorine Pesticides in the Raw Materials for the Production of Infant Evaporated Milk Formula.

10.92 GOST 27669-88 Wheat Flour. Methods of Test Laboratory Bread Making.

ConsultantPlus: note.

The Annex was not submitted for registration to the Ministry of Justice of the Russian Federation.

11. NORMATIVE AND GUIDANCE DOCUMENTS FOR METHODS AND PROCEDURES OF

MICROBIOLOGICAL CONTROL OF SAFETY AND NUTRITIONAL VALUE OF DIFFERENT FOOD PRODUCTS GROUPS

- 11.1. When taking samples of food products, preparing them for the analysis for microbiological research and cultivation of microorganisms the provisions of the following documents should be followed:
- 1 GOST 26668-85 Food Products and Flavors. Methods of Sampling for Microbiological Analysis.
- 2 GOST 26669-85 Food Products and Flavors. Preparation of Samples for Microbiological Analysis.
- 3 GOST 26670-85 Food Products and Flavors. Methods of Microorganisms Cultivation.
- 4 GOST 51446-99 (ISO 7218-96) Food Products. General Rules for Microbiological Studies.
- 5 GOST 10444.1-84 Canned Foods. Preparation of Solutions of Reagents, Dyes, Indicators and Growth Media Used in Microbiological Analysis.
- 6 GOST 8756.18-70 Canned Foods. Methods for Evaluating the Appearance, Air-tightness of the Container and Condition of the Inner Surface of Metal Containers.
- 7 MUK 4.2.590-96 Bacteriological Studies Using Rapid Response Analyzer Bak-Trak 4100.

11.2. Taking of samples of specific products, their preparation for analysis and microbiological studies shall be carried out in accordance with the effective documents.

Infant food products

- 8 MUK 4.2.577-96 Methods of Microbiological Control of Products for Children and Therapeutic Nourishment and their Components.
- 9 GOST 26972-86, Grains, Cereals, Flour, Oatmeal for Children Food. Methods of Microbiological Analysis.
- 10 GOST 30705-2000 Dairy Products for Children Food. Method for Detection of Mesophilic Aerobic and Facultative Anaerobic Microorganisms.
- 11 GOST 30706-2000 Dairy Products for Children Food. The Method of Determining the Amount of Yeast and Moulds.
- 12 SanPiN 42-123-4423-87 Normative Standards and Methods for Microbiological Control of Children Food Products Made by Milk Kitchens of the Health Care System.
- 13 MUK 4.2.1122-02 Organization of Control and Methods for Detection of Listeria monocytogenes Bacteria in Food Products.
- Full (sterilized) canned foods of all kinds of general purpose and for children food.
- 14 Instructions on the Procedure of Sanitary and Technical Control of Canned Foods at the Production Plants, Wholesale Facilities, Retail and Public Catering Enterprises (Moscow, 1993; State Committee for Health and Epidemiological Supervision of the Russian Federation No. 01-19.9-11 of 21.07.92).
- 15 GOST 8756.18-70 Canned Foods. Methods for Evaluating the Appearance, Air-tightness of the Container and Condition of the Inner Surface of Metal Containers.
- 16 GOST 30425-97 Canned Foods. Industrial Sterility Detection Method.
- 17 GOST 10444.11-89 Food Products. Methods for Detection of Lactic Acid Microorganisms.
- 18 GOST 10444.12-88 Food Products. Methods for Detection of Yeast and Moulds.
- 19 GOST 10444.15-94 Food Products. Methods for Quantity Measurement of Mesophilic Aerobic and Facultative Anaerobic Microorganisms.
- 20 GOST 10444.2-94 Food Products. Methods for Finding and Quantity Measurement of Staphylococcus Aureus.

Pasteurized canned meat, meat and vegetables and poultry.

- 21 Instructions on the Procedure of Sanitary and Technical Control of Canned Foods at the Production Plants, Wholesale Facilities, Retail and Public Catering Enterprises (Moscow, 1993; State Committee for Health and Epidemiological Supervision of the Russian Federation No. 01 -19.9-11 of 21.07.92).
- 22 Instruction on the Procedure of Microbiological Control of Pasteurized Canned Meat Production. Moscow, 1984.
- 23 GOST 10444.15-94 Food Products. Methods for Quantity Measurement of Mesophilic Aerobic and Facultative Anaerobic Microorganisms.
- 24 GOST 30518-97 (GOST R 50474-93) Food Products. Methods for Finding and Quantity Measurement of Escherichia coli Bacteria (Coliform Bacteria).
- 25 GOST 30519-97 (GOST R 50480-93) Food Products. Method of Identifying Bacteria of Genus Salmonella.
- 26 GOST 29185-91 Food Products. Methods for Finding and Quantity Measurement of Sulfite-Reducing Clostridia.

- 27 GOST 10444.2-94 Food Products. Method of Finding and Detection of Staphylococcus aureus.
- Meat of livestock for slaughter, poultry, eggs and their derived products
- 28 Instruction on the Procedure and Frequency of Control over the Content of Microbiological and Chemical Contaminants in Meat, Poultry, Eggs and their Derived Products. Moscow, 2000.
- 29 The Procedure of the Sanitary-Microbiological Control in the Production of Meat and Meat Products. Moscow, 1996 (Industry Regulatory Document).
- 30 GOST 9792-73 Sausage Goods and Products from Pork, Lamb, Beef and from Meat of other Types of Livestock and Poultry for Slaughter. Rules for Acceptance and Sampling Methods.
- 31 Instructions on Sanitary-Microbiological Control of Carcasses, Poultry Meat, Poultry Products, Eggs and Egg Products at Poultry Farms and Poultry Processing Plants. Moscow, 1990.
- 32 GOST 7702.2.0.-95 Poultry Meat, By-Products and Semi-finished Products. Methods of Sampling and Preparation for Microbiological Studies.
- 33 GOST 30519-97 (GOST R 50480-93) Food Products. Method of Identifying Bacteria of the Genus Salmonella.
- 34 GOST 30518-97 (GOST R 50474-93) Food Products. Methods for Finding and Quantity Measurement of Escherichia coli Bacteria (Coliform Bacteria).
- 35 GOST 10444.15-94 Food Products. Methods for Quantity Measurement of Mesophilic Aerobic and Facultative Anaerobic Microorganisms.
- 36 GOST 7702.2.2.-93 Poultry Meat, By-Products and Semi-finished Products. Methods for Finding and Quantity Measurement of Escherichia coli Bacteria (Coliform Bacteria of Genera Escherichia, Citrobacter, Enterobacter, Klebsiella, Serratia).
- 37 GOST 7702.2.3.-93 Poultry Meat, By-Products and Semi-finished Products. Salmonella Detection Method.
- 38 GOST 7702.2.4-93 Poultry Meat, By-Products and Semi-finished Products. Method for Finding and Quantity Measurement of Staphylococcus aureus.
- 39 GOST 7702.2.5.-93 Poultry Meat, By-Products and Semi-finished Products. Methods for Finding and Quantity Measurement of Listeria.
- 40 GOST 7702.2.6-93 Poultry Meat, By-Products and Semi-finished Products. Method for Finding and Quantity Measurement of Sulfite-reducing Clostridia.
- 41 GOST 7702.2.7.-95 Poultry Meat, By-Products and Semi-finished Products. Method of Identifying Bacteria of the Genus Proteus.
- 42 GOST 7702.2.1.-95 Poultry Meat, By-Products and Semi-finished Products. Method for Quantity Measurement of Mesophilic Aerobic and Facultative Anaerobic Microorganisms.
- 43 GOST 28560-90 Food Products. Methods of Identifying Bacteria of the Genera Proteus, Morganella, Providenscia.
- 44 GOST 29185-91 Food Products. Methods for Finding and Quantity Measurement of Sulfitereducing Clostridia.
- 45 GOST 10444.9-88 Food Products. Method for Detection of Clostridium perfringens.
- 46 GOST 28566-90 Food Products. Method for Finding and Quantity Measurement of Enterococci.
- 47 GOST 21237-75 Meat. Methods of Bacteriological Analysis.
- 48 GOST 9958-81 Sausage Goods and Meat Products. Methods of Bacteriological Analysis.
- 49 GOST 30726-2001 Food Products. Methods for Finding and Quantity Measurement of Bacteria of the Species Escherichia coli (Reference Method).
- 50 GOST 50454-92 Meat and Meat Products. Identifying and Registering of the Alleged Coliform Bacteria and Escherichia coli (Reference Method).
- 51 GOST 50455-92 Meat and Meat Products. Identifying of Salmonella (Reference Method).
- 52 GOST 29184-91 Food Products. Methods for Finding and Quantity Measurement of Bacteria of the Family Enterobacteriacerae.
- 53 GOST 30364.2-96 Egg Products. Microbiological Methods Of Control.
- 54 MUK 4.2.1122-02 Arrangement of Control and Methods for Detection of Listeria monocytogenes Bacteria in Food Products.
- Milk and all kinds of dairy products (except for infant food products)
- 55 GOST 9225-84 Milk and Dairy Products. Methods of Microbiological Analysis.
- 56 Instruction on Microbiological Control of Production at Enterprises of Dairy Industry. Moscow, 1988.
- 57 Instruction on the Procedure and Frequency of Control over Microbiological and Chemical Contaminants at Enterprises of Dairy Industry. Moscow, 1995.
- 58 GOST 51331-99. Dairy Products. Yoghurt. General Specifications (as related to Detecting Lactic Acid Microorganisms; Detection of Bifidobacteria in Yogurt).
- 59 GOST 13264-88 Cow Milk. Requirements for the Procurement.
- 60 GOST 30519-97 (GOST 50480-93) Food Products. Method of Identifying Bacteria of the Genus Salmonella.
- 61 GOST 10444.11-89 Food Products. Method of Detection of Lactic Acid Microorganisms.
- 62 GOST 30347-97 Milk. Method of Finding and Detection of Staphylococcus aureus.

- 63 MUK 4.2.1122-02 Arrangement of Control and Methods for Detection of Listeria monocytogenes Bacteria in Food Products. Fish, fish products and other sea foods
- 64 Instructions on Sanitary-Microbiological Control of Food Production from Fish and Marine Invertebrates. Leningrad, 1991
- 65 Methodological Instructive Regulations for the Control in Fish Products of Vibrio parahaemolyticus Agents of Food Toxicoinfection. Leningrad, 1991
- 66 Instructions on Sanitary-Microbiological Control of Mussels in their Areas of Cultivation, at Processing Plants and on Cleansing Mussels from Bacterial Contamination. Kerch, 1987
- 67 GOST 10444.15-94 Food Products. Methods for Quantity Measurement of Mesophilic Aerobic and Facultative Anaerobic Microorganisms.
- 68 GOST 30518-97 (GOST R 50474-93) Food Products. Methods for Finding and Quantity Measurement of Escherichia coli Bacteria (Coliform Bacteria).
- 69 GOST 30519-97 (GOST R 50480-93) Food Products. Method of Identifying Bacteria of the Genus Salmonella.
- 70 GOST 10444.12-88 Food Products. Yeast and Moulds Detection Methods.
- 71 GOST 10444.2-94 Food Products. Method of Finding and Detection of Staphylococcus aureus.
- 72 GOST 29185-91 Food Products. Methods for Finding and Quantity Measurement of Sulfitereducing Clostridia.
- 73 GOST 28566-90 Food Products. Method for Finding and Quantity Measurement of Enterococci.
- 74 GOST 30726-2001 Food Products. Methods for Finding and Quantity Measurement of Bacteria of Species Escherichia coli.
- 75 MUK 4.2.1122-02 Arrangement of Control and Methods for Detection of Listeria monocytogenes Bacteria in Food Products.
 - Bread, flour and cereal products and confectionery
- 76 75. GOST 27543-87 Confectionery, Equipment, Materials, Reagents and Culture Media for Microbiological Analysis.
- 77 GOST 26968-86 Refined Sugar Sand. Methods of Microbiological Analysis.
- 78 Methodological Instructive Regulations MUK 4.2.762-99 Methods for Microbiological Control of Finished Products with Cream.
- 79 GOST 26972-86, Grains, Cereals, Flour, Oatmeal for Children Food Products. Methods of Microbiological Analysis.
- 80 GOST 10444.15-94 Food Products. Methods for Quantity Measurement of Mesophilic Aerobic and Facultative Anaerobic Microorganisms.
- 81 GOST R 50474-93 Food Products. Methods for Finding and Quantity Measurement of Escherichia coli Bacteria (Coliform Bacteria).
- 82 GOST 30519-97 (GOST R 50474-93) Food Products. Method of Identifying Bacteria of the Genus Salmonella.
- 83 GOST 30518-97 (GOST R 50474-93) Food Products. Yeast and Moulds Detection Methods.
- 84 GOST 10444.2-94 Food Products. Method of Finding and Detection of Staphylococcus aureus.
 - Vegetables, fruits, berries, mushrooms, their derived products and spices
- 85 84. Instructions on Microbiological Control of Fast-frozen Fruits and Vegetables. Gosagroprom of the USSR, dated 29.09.89.
- 86 Instructions on Sanitary-Microbiological Control of Dry and Fast-frozen Potato Products. Gosagroprom of the USSR, dated 20.11.84.
- 87 GOST 10444.15-94 Food Products. Methods for Quantity Measurement of Mesophilic Aerobic and Facultative Anaerobic Microorganisms.
- 88 GOST 30518-97 (GOST R 50474-93) Food Products. Methods for Finding and Quantity Measurement of Escherichia coli Bacteria (Coliform Bacteria).
- 89 GOST 30519-97 (GOST R 50480-93) Food Products. Method of Identifying Bacteria of the Genus Salmonella.
- 90 GOST 10444.12-88 Food Products. Yeast and Moulds Detection Methods.
- 91 GOST 10444.8-88 Food Products. Bacillus cereus Detection Methods.
- 92 Instruction on Epidemiology and Laboratory Diagnosis of Yersiniosis, Arrangement and Implementation of Prevention and Antiepidemic Measures. Ministry of Health of the USSR No. 15-6/042, 1990.
 - Oil and fat products
- 93 Instruction on Sanitary-Bacteriological Control over Production of Margarine and Mayonnaise at Enterprises of Margarine Industry. Gosagroprom of the USSR dated 21.11.88.
- 94 GOST 50173-92 Mayonnaise. Rules for Acceptance and Test Methods.
- 95 GOST 10444.12-88 Food Products. Yeast and Moulds Detection Methods.
- 96 MUK 4.2.577-96 Methods of Microbiological Control of Products for Children and Therapeutic Nourishment and their Components — Oils for Children Food Products.

- 97 MUK 4.2.1122-02 Arrangement of Control and Methods for Detection of Listeria monocytogenes Bacteria in Food Products. Beverages and fermentation products
- 98 GOST 30712-2001 Products of Soft Drinks Industry. Methods of Microbiological Analysis. International Standard.
- 99 Instructions on Microbiological Control over Production of Highly Resistant Soft Drinks, Gosagroprom of the USSR, IK 10-5031536105-91.
- 100 Instructions on Sanitary-Microbiological Control over Brewing and Soft Drink Production, Gosagroprom of the USSR, IK 10-04-06-140-87.
- 101 GOST 18963-73, Drinking Water. Methods of Sanitary and Bacteriological Analysis.
- 102 GOST 30519-97 (GOST R 50474-93) Food Products. Method of Identifying Bacteria of the Genus Salmonella.
- 103 Methodological Instructive Regulations on Detection and Identification of Pseudomonas aeruginosa in the Environment (Food Products, Water, Waste Liquids). Ministry of Health of the USSR, Moscow, 1984.
- 104 MUK 4.2.1018-01 Sanitary-Microbiological Analysis of Drinking Water. Moscow, 2001

Ready meals made at catering facilities and enterprises of food concentrates industry.

- 105 Methodological Instructive Regulations on Sanitary and Bacteriological Control at Catering and Food Products Trade Facilities (Moscow, 1984).
- 106 GOST 10444.15-94 Food Products. Methods for Quantity Measurement of Mesophilic Aerobic and Facultative Anaerobic Microorganisms.
- 107 GOST 30518-97 (GOST R 50474-93) Food Products. Methods for Finding and Quantity Measurement of Escherichia coli Bacteria (Coliform Bacteria).
- 108 GOST 30519-97 (GOST R 50480-93) Food Products. Method of Identifying Bacteria of the Genus Salmonella.
- 109 GOST 10444.12-88 Food Products. Yeast and Moulds Detection Methods.
- 110 GOST 10444.2-94 Food Products. Method of Finding and Detection of Staphylococcus aureus.
- 111 GOST 28560-90 Food Products. Methods of Identifying Bacteria of the Genera Proteus, Morganella, Providenscia.
- 112 GOST 30726-2001 Food Products. Methods for Finding and Quantity Measurement of Bacteria of the Species Escherichia coli.
- 113 MUK 4.2.1122-02 Arrangement of Control and Methods for Detection of Listeria monocytogenes Bacteria in Food Products.

Biologically active additives to food

- 114 MUK 4.2.577-96 Methods of Microbiological Control of Products for Children and Therapeutic Nourishment and their Components.
- 115 GOST 10444.15-94 Food Products. Methods for Quantity Measurement of Mesophilic Aerobic and Facultative Anaerobic Microorganisms.
- 116 GOST 30518-97 (GOST R 50474-93) Food Products. Methods for Finding and Quantity Measurement of Escherichia coli Bacteria (Coliform Bacteria).
- 117 GOST 30519-97 (GOST R 50480-93) Food Products. Method of Identifying Bacteria of the Genus Salmonella.
- 118 GOST 10444.2-94 Food Products. Method of Finding and Detection of Staphylococcus aureus.
- 119 GOST 10444.8-88 Food Products. Bacillus cereus Detection Methods.
- 120 GOST 10444.12-88 Food Products. Yeast and Moulds Detection Methods.
- 121 GOST 30726-2001 Food Products. Methods for Finding and Quantity Measurement of Bacteria of the Species Escherichia coli.

ConsultantPlus: note.

The Annex was not submitted for registration to the Ministry of Justice of the Russian Federation.

Annex 12

(Reference)

to SanPin 2.3.2.1078-01

12. RECOMMENDED BY THE JOINT FAO/WHO EXPERT COMMITTEE ON FOOD ADDITIVES AND CONTAMINANTS

MAXIMUM PERMISSIBLE LEVELS OF RESIDUES OF VETERINARY (ZOOTECHNICAL) DRUGS IN FOOD PRODUCTS OF ANIMAL ORIGIN

Index	Drug Name	Type of Farm	Product	Maximum	ADI <4>
Index	Ding Name	Animals	Name	Permissible Levels of Residues (mg/kg, (1))	(references)
1	2	3	4	5	6
1.	Growth-promoting	substances			
1.1	Estradiol- 17beta <1>	cattle, buck lambs, chickens	liver kidneys fat	-	0 - 0.05 (7)
1.2	Progesterone <1>	cattle, buck lambs, chickens	liver kidneys fat	-	0 - 30 (7)
1.3	Testosterone <1>	cattle	liver kidneys fat	-	0 - 2 (7)
1.4	Zeranol <3>	cattle	meat liver	0.002 0.01	0 - 0.5 (3)
1.5	Trenbolon acetate	cattle	meat liver kidneys	0.002 as beta- trenbolon 0.01 0.01 as alpha- trenbolon	0 - 0.01 (3)
1.6	Carbadox	pigs	meat liver	0.005 0.03 as quinoxaline-2 carboxylic acid	- (3)
1.7	Bovine somatotropins <2>	dairy cattle	milk meat liver kidneys fat	-	- (6)
1.8	Melengestrol Acetate <3>	cattle	liver fat	0.002 0.005	0 - 0,3 (8)

2.1							
	Dexamethasone <3>	cattle, pigs	horses,	meat kidneys	0.0005	0 - 0.015 (6)	

			liver	0.0025	
		cattle	milk	0.0003	
3.	Tranquilizers				
3.1	Azaperone	pigs	meat	0.06	0 - 6 (6)
			fat liver kidneys	0.06 0.1 0.1 as sum of azaperone and azaperol	
4.	beta-Adrenocept	ors-blockers			
4.1.	Carazolol <3>	pigs	meat, fat	0.005	0 - 0.1 (7)
			liver kidneys	0.025 0.025	
5.	Antimicrobial a	gents			•
5.1	Spectinomycin	cattle, pigs,	meat	0.5	0 - 40 (6)
	<3>	sheep, chickens	liver kidneys fat	2.0 5.0 2.0	
		chickens	eggs	2.0	
		cattle	milk	0.2	
5.2.	Neomycin <3>	cattle	meat	0.5	0 - 60 (7)
		pigs, sheep, goats, ducks, turkeys, chickens chickens	liver kidneys fat milk meat liver fat eggs	15.0 20.0 0.5 0.5 0.5 0.5 0.5 0.5 0.5	
5.3.	Gentamycin <3>	cattle, pigs	meat	0.1	0 - 20 (6)
		cattle	fat liver kidneys milk	0.1 2.0 5.0 0.2	
5.4.	Ceftiofur	cattle, pigs	meat	1.0	0 - 50 (5)
		cattle	liver kidneys fat milk	2.0 6.0 2.0 0.1 as desfuroil ceftiofur	
5.5.	Sulphadimidine <3>	cattle, sheep, pigs, poultry	meat liver kidneys fat	0.1 0.1 0.1 0.1	0 - 50 (3)

		cattle	milk	0.025	
5.6.	Flumequine	cattle, pigs,	meat	0.5	0 - 30
	<3>	sheep, chickens	liver kidneys fat	0.5 3.0 1.0	(8)
5.7.	Lincomycin <3>	cattle, pigs,	meat	0.1	0 - 30
		sheep, chickens	liver kidneys fat	0.5 1.5 0.1	(8)
		cattle	milk	0.15	
5.8.	Thiamphenicol	pigs	meat	0.05	0 - 5
			liver kidneys fat	0.1 0.5 0.05 as sum of thiamphenicol and thiamphenicol conjugates in terms of thiamphenicol	(7)
5.9.	Danofloxacin <3>	cattle, chickens	meat liver kidneys	0.2 0.4 0.4	0 - 20 (5)
		pigs	fat meat liver kidneys	0.1 0.1 0.05 0.2	
5.10.	Spiramycin	cattle	fat meat	0.1	0 - 50
			liver kidneys fat milk	0.6 0.3 0.3 0.2	(5)
		chickens	meat liver	0.2	
			kidneys fat	0.8 0.3 as sum of spiramycin and neospiramycin	
		pigs	meat	0.2	
			liver kidneys fat	0.6 0.3 0.3 as spiramycin	
5.11.	Sarafloxacin <3>	Turkeys, chickens	meat liver kidneys fat	0.01 0.08 0.08 0.02	0 - 0.3 (6)
6.	Anthelmintic age	ents		J. J.	

6.1.	Closantel <3>	sheep	meat	1.5	0 - 30
0.1.	CIUSAIILEI <3>	PIICCL			
			liver	1.5 5.0	(3)
			kidneys		
			fat	2.0	
		cattle	meat		
			liver	1.0	
			kidneys	3.0	
			fat	3.0	
6.2.	Ivermectin	cattle	liver	0.1	0 - 1
			fat		(8)
			milk	0.01	
				as 22, 23-	
				dihydroivermec tin B	
				la la	
				(N B) 2 1a	
				(1, 2 , 2 10	
6.3.	Flubendazole	pigs	meat	0.01	0 - 12
	<3>		liver	0.01	(3)
		poultry	meat	0.2	
			liver	0.5	
6.4.	mi - 1	asttle chase	eggs	0.4	0 - 100
0.4.	Tiabendazole	cattle, sheep,	meat	0.1	
			liver	0.1	(5)
		goats, pigs	kidneys fat	0.1	
		cattle, goats	fat milk	0.1 0.1 as sum of	
		callie, yodis	111 T T V	tiabendazole	
				and 5-oxytia-	
				bendazole	
6.5.	Triclabendazole	cattle	meat	0.2	0 - 3
			liver	0.3	(1)
			kidneys	0.3	(± /
			fat	0.1	
		sheep	meat	0.1	
			liver	0.1	
			kidneys	0.1	
			fat	0.1	
				as 5-chlorum-	
				6-11(2,3	
				,- dichlorophenox	
				y) –	
				benzimidazole-	
				2-oh)	
6.6.	Levamizole <3>	cattle, sheep	meat	0.01	0 - 6
			kidneys	0.01	(2)
		pigs, poultry	fat	0.01	. /
			liver	0.1	
6.7.	Febantel,	cattle, sheep	meat	0.1	0 - 7
	fenbendazole		kidneys	0.1	(6)
	and oxfendazole	pigs, horses	fat	0.1	()
		goats	liver	0.5	
		cattle	milk	0.1	
				as sum of	
				fenbendazole,	
				oxfendazole	
				and	
				oxfendazole	
				sulphone in	
				terms of	
		1		oxfendazole-	
				sulphone	

I	I	1	I	1 1	I
	Moxidectin <3>	cattle	meat	0.02	0 - 2
8					(6)
.9		deer	meat	0.02	(0)
		sheep	meat	0.05	
		cattle, deer,	liver	0.1	
		sheep	kidneys	0.05	
		Sheep	fat	0.5	
6.9.	Doramectin <3>	cattle	meat	0.02	0 - 0.5
		pigs	meat	0.005	(7)
		cattle, pigs	liver	0.1	
			kidneys	0.03	
6 1 0			fat	0.15	0 1
6.10.	Abamectin	cattle	liver	0.1	0 - 1
			kidneys	0.05	(4)
			fat	0.1	
				as avermectin	
				B 1 alpha	
				1	
6.11.	Eprinomectin	cattle	meat	0.1	0 - 10
		ouccie			
			liver	2.0	(6)
			kidneys	0.3	
			fat	0.25	
			milk	0.02 as	
				eprinomectin	
	7			B 1 alpha	
7.	Antiprotozoal ad Diclazuril		most	0.5	0 - 30
/•±•	<3>	sheep, rabbits poultry			
		POUTCTÀ	liver	3.0	(6)
1			kidneys	2.0	
			fat	1.0	
7.2	Imidocarb <3>	cattle	meat	0.3	0 - 10
			liver	2.0	(6)
			kidneys	1.5	
			fat	0.05	
			milk	0.05	
8.	Trypanocidal age	ents	1	1	
8.1.	Izometamidium <3	> cattle	meat	0.1	0 - 100
			fat	0.1	(3)
			milk	0.1	
			liver	0.5 1.0	
			kidneys	1.0	

8.2.	Diminazene <3>	cattle	meat	0.5	0 - 100
			liver	12.0	(2)
			kidneys	6.0	
			milk	0.15	
9.	Insecticides		·	·	
9.1.	Cyhalothrin <3>	cattle, pigs,	meat	0.02	0 - 2
		sheep	liver	0.02	(8)
			kidneys	0.02	
			fat	0.4	
		cattle	milk	0.03	
9.2.	Dicyclanil <3>	sheep	meat	0.2	0 - 7
J.2.	DICYCIANII <3>	Sucep			
			liver kidneys	0.4	(8)
			fat	0.15	
9.3.	Trichiorfon <3>	cattle	meat	0.05	0 - 20
			liver	0.05	(8)
			kidneys	0.05	
			milk	0.05	
9.4.	Deltamethrin <3>		meat	0.03	0 - 10
		chickens	liver	0.05	(7)
			kidneys	0.05	
			fat	0.5	
		cattle	milk	0.03	
		chickens	eggs	0.03	
9.5.	Phoxim <3>	cattle, pigs,	meat	0.05	0 - 4
		sheep, goats	liver	0.05	(7)
			kidneys	0.05	
			fat	0.4	
		cattle	milk	0.01	

Note:

<1> Joint FAO/WHO Expert Committee recommends to carry out an analysis of residual quantities of sex hormones and progesterone in liver, kidneys and fat, but maximum permissible levels of residues of these steroids are not given.

<2> Refers to complete analogues of bovine somatotropin (BST), obtained by genetic engineering, agents of a very high purity degree (practically without impurities): somagrebove, sometribove, somavubove and somidobove. Due to considerable difference between bovine somatotropin and human somatotropin by chemical composition, physicochemical, immunological properties and specific peculiarity, and also on the basis of evaluation of single agents the Committee considers the presence of possible bovine somatotropin residues in food products to be harmless for human health, therefore there is no need to set maximum levels of residues of these agents. It is suggested to use additional evaluation methods of animal breeding products based on analysis of somatotropin-dependent somatomedins.

<3> Specified maximum levels of residues are given for original product .

<4> ADI - Acceptable daily intake in mg/kg of human body mass.

ConsultantPlus: note.

The Annex was not submitted for registration to the Ministry of Justice of the RF.

Table 1

13. BASIC PRINCIPLES USED IN THE DEVELOPMENT OF SPECIFIC ACTIVITY PERMITTED IN FOOD PRODUCTS AND HYGIENE ASSESSMENT OF COMPLIANCE WITH THE ESTABLISHED STANDARDS

13.1. The standards relate to 90Sr and 137Cs as leading radionuclides of technogenic origin determining the internal radiation dose for food route of entry. Contribution to the dose from entry of 90Sr and 137Cs with basic food products should not exceed 1 mSv/year.

13.2. A value of 1 mSv/year is the level of interference exception when trading in food products.

13.3. The actual average Russian diet dated 1996 was used in the calculations, the data for 1992—1996 were given for comparison. (Table 1).

Per capita Consumption of Food Products, g per day							
PRODUCTS	1992	1993	1994	1995	1996		
Bread and bread products (in terms of flour)	286.0	293.0	276.0	279.0	266.0		
Milk and dairy products <*>	563.5	586.6	584.5	478.8	450.8		
Potato	293.0	309.0	309.0	309.0	296.0		
Vegetables and gourds	214.0	210.0	194.0	227.0	214.0		
Meat and meat products	158.0	158.0	158.0	145.0	132.0		
Fish and fish products	32.9	29.6	23.0	26.3	26.3		
Fruit and berries	78.9	85.5	82.2	82.2	85.5		
Total	1626.3	1671.7	1626.7	1547.3	1470.6		

<*> Without butter.

13.4. For food products which are consumed in minor quantities (by weight) the following assumptions were made:

The dose due to their consumption is outside the dose of 1 mSv/year;

- Limiting the dose due to the consumption of such individual product shall be up to 1% and a total dose quota for all the products consumed in minor quantities should not exceed 10% (0.1 mSv/year).

13.5. Due to the fact that these Sanitary Rules are intended to limit the radiation of the population in situations of long-term residual radioactive contamination, while calculating the dose coefficient per entry unit for 90Sr the population of Russia with account of its age structure was taken as the reference population for which the radiation doses are calculated. The effective dose coefficient (e) for the population of Russia is $3.6 \times 10 \text{ Sv/Bq}$.

13.6. To determine the compliance of food products with radiation safety criteria the compliance indicator V was used, the value of which is calculated according to results of measuring the specific activity of 90Sr and 137Cs in the sample:

V = (A /N) 90Sr + (A /N) 137Cs, where

A means the measured value of the specific activity of 90Sr and 137Cs in the food product, Bq/kg; N means the permissible level of specific activity for 90Sr and 137Cs in the same product, Bq/kg.

13.7. Control over the specific activity of food products and the hygienic assessment are carried out in accordance with the effective methodological instructive regulations for taking of samples, analysis, and hygienic assessment for radiation control of strontium-90 and cesium-137 in food products.

ConsultantPlus: note. <u>The Annex was not submitted for registration to the Ministry of Justice of the Russian Federation.</u>

> Annex 14 (Reference) to SanPiN 2.3.2.1078-01

14. BASIC REQUIREMENTS FOR LABELLING OF NUTRITIONAL VALUE OF FOOD PRODUCTS

14.1. Packaged food products must have a label (an insert), which are marked to specify the indicators of nutritional value, which is characterized by the energy value (calorific value) and mass fraction of nutrient materials in 100 g (or a single serving of a meal) of the product.

14.2. The nutritional value shall not be specified for flavoring food products (tea, coffee, vinegar, spices, salt, etc.), raw food products (meat, poultry, fish, vegetables, berries, fruit etc.), as well as for unpackaged ready-to-eat culinary products, baked products and products of public catering.

14.3. The data on the content of proteins, fats, carbohydrates and energy value shall be given in case if their quantity in single servings of a meal or in 100 g (ml) of the food product is not less than 2%, and for mineral and vitamins not less than 5% of the recommended daily intake.

14.4. The data required to calculate the food product contribution to the satisfaction of daily consumption of a hypothetical "average" adult person and to be specified in the label are shown in Table 1 compiled with account of the Standards of Physiological Requirements for Nutrient Materials and Energy (1991) and the recommendations of FAO/WHO.

Table 1

Estimated Physiological Requirement for Major Nutrient Materials and Energy to be Specified in the Tabel

Main Nutrient Materials	Daily Requirement
Energy value, kcal	2500
Proteins, g	75
Fats, g	83
including polyunsaturated fatty acids, g	11
Digestible carbohydrates, g	365
including sugar (saccharose)	65
Food fibers, g	30

Mineral substances, mg	
Iron	14
Iodine	0.15
Zinc	15
Selenium	0.07
Calcium	1000
Magnesium	400
Phosphorus	1000
Potassium	3500
Vitamins:	
A (in retinol equivalent), μg	1000
B ₁ (thiamine), mg	1.5
B ₂ (riboflavin), mg	1.8
B ₆ , mg	2.0
Bc (folic acid), μg	200
B ₁₂ (cobalamin), μg	3
C (ascorbic acid), mg	70
D, µg	5 <1>
E (in tocopherol equivalent),	10
mg PP (на niacin equivalent), mg	20

Note: <1> - 5 µg of cholecalciferol are 200 ME of vitamin D.

14.5. The content of cholesterin, saturated fatty acids and salt (in terms of sodium) shall be limited in accordance with the recommendations of FAO/WHO (Table 2), which shall also be specified in the label, including in % of the permissible daily intake.

Table 2

Permissible	Intake o	f Some	Nutrient	Material	s

Nutrient Material	Permissible Intake
Saturated fatty acids, not more than, g	25
Cholesterin, not more than, mg	300
Sodium, not more than, mg	2400
	(not more than 6.15 g of edible salt)

14.6. In all cases of enrichment of food products in proteins, fats, carbohydrates, minerals, vitamins, pro- and prebiotics the information on their quantities shall be provided with account of their natural content in the product.

14.7. For products with a complex composition of raw materials of meat, fish or dairy origin with partial replacement or addition of protein or fat products of other origin the information on the composition of fat and protein components shall be specified in the label. In this case the name of the food product must not mislead consumers about the composition and nutritional value of the product.

14.8. In alcoholic beverages the alcohol content in % of volume shall be specified.

14.9. The indicators of nutritional value of food products shall be determined by the manufacturer (technical documentation writer). To determine the nutritional value the methods may be used which are presented in Guidance on the Methods of Analysis of the Food Products Quality and Safety under the editorship of I.M. Skurikhin, V.A. Tutelyan (Moscow, 1998) as recommended by the Ministry of Health and Social Development of the Russian Federation.

It is allowed to apply the calculation method with account of the formulation and data on the composition of raw materials from the effective official Reference Books (Tables of the Chemical Composition of Food Products).

14.10. To calculate the energy value of food products it is recommended to use the following coefficients:

Proteins - 4 kcal/g, Carbohydrates - 4 kcal/g,

Fats - 9 kcal/g,

organic acids - 3 kcal/g,

alcohol (ethanol) - 7 kcal/g.

When the alcohol strength in % of volume generally accepted in the industry is recalculated to calorific value the following formula shall be used: calories (from ethanol) = product volume/100 x strength (% of vol.) X 0.8×7 .

14.11. To calculate the protein content in food products the following formula shall be used: protein = total Kjeldahl nitrogen x K,

where K means the conversion factor corresponding to the food product (Guidance on the Methods of Analysis of the Food Products Quality and Safety under the editorship of I.M. Skurikhin, V.A. Tutelyan (Moscow, 1998)).

For food products with a complex composition of raw materials and for those food products the conversion factor of which is not determined it shall be accepted that K = 6.25.

ConsultantPlus: note. The Annex was not submitted for registration to the Ministry of Justice of the Russian Federation.

> Annex 15 (Reference) to SanPiN 2.3.2.1078-01

15. BRIEF DESCRIPTION OF MAIN TYPES OF CHILDREN FOOD

15.1. Products of children food on milk basis

These products include, first of all, breast milk substitutes intended for mixed and artificial feeding of children. Breast milk substitutes are high quality products manufactured primarily on the basis of cow milk, soy proteins and other products with the composition corresponding to that of breast milk to the maximum, and thus adapted to the peculiarities of metabolism, functional status and immunoreactivity of children of the first year of life.

To characterize the nutritional value of a breast milk substitute the special indicators are used reflecting the following:

- Bioavailability of the protein component of the product;

- The nutritional value of fats (linoleic acid content, the ratio of omega-3 and omega-6 fatty acids, the ratio of polyunsaturated fatty acids/vitamin E);

- The nutritional value of carbohydrates;
- Mineral and vitamin composition;

- The value of osmolality (osmolarity) and potential water-salt load on the kidneys.

Patterns of the child's development at the early stages of ontogeny and related changes in demand for nutrient materials and energy were the reason for the development of 2 variants of adapted infant formula:

- For children from 0 to 3 months;

- For children from 3 to 12 months.

However, in children nourishment one may use partly adapted formulas, including domestic and foreign formulas of previous generations, as well as formulas for children of the second half year of life (the so-called following formulas).

The recommended composition of these formulas is specified in the respective sections.

Dry and liquid, lenten and fermented milk formulas may be developed based on the recommended composition. Bifidus bacteria and lactic acid bacilli, acidophilous bacteria, etc. may be used as starter cultures for fermented milk formulas. The acidity of adapted fermented milk formulas does not exceed 70 degrees T.

It is advisable to further enrich the breast milk substitutes intended for feeding children during the first months of life in protective factors (lysozyme, bifidus bacteria, etc.), because children of this age are characterized by an immature immune response and their immunological status is largely determined by the factors of immunological resistance contained in breast milk.

Along with the indicators of nutritional value the safety indicators are of the utmost importance to breast milk substitutes.

To produce the adapted formulas the cow milk as well as other components specially designed for the production of children food should be used.

Another group of children food milk-based products is liquid and pasty dairy products made from whole cow milk: milk, fermented milk products, curds. These products are used in feeding of children of the first year of life as complementary food, as well as of children from one to three years. In describing the nutritional value of these products special attention shall be drawn to the standardization of their content of protein and fat. The acidity of liquid dairy products shall not exceed 70—100 degrees T and of pasty dairy products — 150 degrees T.

15.2. Grain-based complementary foods

These products include flour (from different cereals) for children food, dry milk porridge, as well as special-purpose soluble cookies and pasta for children food.

The cereal component is included into the diet of children of the first year of life from 4.5—5 months as an additional source of energy and new carbohydrates (starch and food fibers), vegetable protein, certain vitamins and mineral salts. In accordance with the international guidelines grain complementary foods (flour and dry porridge) should be enriched in calcium, iron and essential vitamins.

The most modern form of manufacture of these products is instant flour and dry porridge, which do not require cooking to prepare from them ready-to-eat meals (milk porridge). This group of products represented in a separate section is characterized by much more stringent requirements for microbiological standards than porridges that require cooking.

The safety of complementary foods on grain and grain and milk basis is mainly determined by the safety of the main raw materials — cereals and flour as well as milk. The cereals and flour specially designed for feeding infants are used to manufacture the products of children food on the grain basis. Their composition may also include sugar, maltodextrine, honey, vegetable oils, natural flavors (vanillin, dry powders of fruits and vegetables).

15.3. Complementary foods on the basis of fruits and vegetables

These products include canned fruit, berry, vegetable and mixed juices and purees. These products are used as complementary foods (usually the first ones) from 3—4 months of life. The nutritional value of these products is determined by the content of digestible carbohydrates, mineral salts (potassium, iron), vitamins (C, P, bioflavonoids, beta-carotene), food fibers. An important indicator is also the total acidity, which does not exceed 0.8%, and the refinement of the canned foods (homogenized, finely refined, largely refined canned foods).

Along with these products this group includes the canned foods with a complex composition of the raw materials - canned foods made from vegetables, grain and meat and vegetables, grain and fish. The nutritional value of these canned foods has been increased due to the combination of several food products groups — meat (fish), vegetables and grains that complement each other with a set of nutrients.

The safety of canned fruits and vegetables is determined mainly by the safety of the raw materials, first of all, fruits and vegetables, as well as additional components.

15.4. Meat-based complementary foods

These include canned foods based on beef, pork and horse meat with the addition of by-products, and canned foods based on poultry. They are used for children nourishment at the age of 7—8 months, and in case of medical recommendations at an earlier age.

The nutritional value of canned foods is determined by their content of proteins with high biological value, fats, vitamins A, B_1 , B_2 , B_6 , B_{12} , iron.

15.5. Fish-based complementary foods

These include canned fish for children food. They are used at the age of 8—9 months of life 1—2 times a week. The nutritional value of canned fish is determined by the availability of proteins with high biological value, fats (containing deficient in the human diet omega-3 fatty acids), vitamins B_1 , B_6 , B_{12} , iron and some minor nutrients.

15.6. Products for children of preschool and school age

These products are intended mainly for the organized catering in the respective institutions. However, they may be used at home. The advisability of using these special-purpose products with enhanced biological and nutritional value for children and adolescents depends on the necessity to improve the nourishment, to eliminate the deficiency of some nutrients, first of all, mineral salts, including minor nutrients, which occurs as a result of the current adverse socio-economic and environmental living conditions.

15.7. The nutritional value of food products for therapeutic nourishment of children

The nutritional value of food products for therapeutic nourishment of children is determined by two criteria.

Firstly, by the most complete satisfaction of the basic physiological needs of children in nutrient materials and energy. These requirements are common to food products intended for healthy and sick children and have been discussed in detail in the section on food products for healthy children above.

Secondly, by the effectiveness of therapeutic action of food products, which is determined either by elimination or, vice versa, enrichment of the product in various nutrient materials according to their designated purpose and nature of the metabolic disorders for each particular disease or group of diseases.

In accordance with these criteria the content of macro-and micronutrients which must satisfy the child's needs to the maximum when the product is used as the main nourish source (such as products for premature babies, for children with food allergies) refers to the number of indicators of nutritional value of children food.

For products for therapeutic nourishment, which composition is modified in accordance with the pathogenetic principle of diet therapy, the criterion may be the degree of elimination of some components (e.g., removal of lactose from products for children with malabsorption syndrome, removal of allergens from products for children with food allergies, etc.).

ConsultantPlus: note. <u>The Annex was not submitted for registration to the Ministry of Justice of the Russian Federation.</u>

> Annex 16 (Reference) to SanPiN 2.3.2.1078-01

16. MAIN REGULATORY REFERENCE

16.1. Federal Law On the Quality and Safety of Food Products dated January 2, 2000, No. 29-FZ.

16.2. Federal Law On Sanitary and Epidemiological Welfare of the Population dated March 30, 1999 No. 52-FZ.

16.3. Fundamentals of the Legislation of the Russian Federation on the Citizens' Health Care dated July 22, 1993.

16.4. Federal Law On Radiation Safety of Population dated January 9, 1996.

16.5. Federal Law On Amendments to the Law of the Russian Federation On Protection of Consumers' Rights and the Code of Administrative Offences of the RSFSR dated January 9, 1996.

16.6. Resolution of the Government of the Russian Federation dated September 29, 1997 No. 1263 On Approval of the Regulations on Carrying out Expert Examination of Low-quality and Dangerous Food Staples and Food Products, their Use or Destruction.

16.7. Resolution of the Government of the Russian Federation dated July 24, 2000 No. 554 On the State Sanitary and Epidemiological Service of the Russian Federation.

16.8. Resolution of the Government of the Russian Federation dated December 21, 2000 No. 987 On State Supervision and Control over Assurance of Food Products Quality and Safety.

16.9. Resolution of the Government of the Russian Federation dated December 21, 2000 No. 988 On State Registration of New Food Products, Materials and Goods.

16.10. Order of the Ministry of Health and Social Development of the Russian Federation No. 89 dated March 26, 2001 On State Registration of New Food Products, Materials and Goods, Perfumes and Cosmetics, Oral Hygiene Preparations and Goods, Tobacco Products.

16.11. MUK 2.3.2.970-00 Medical-Biological Evaluation of Food Products Derived from Genetically Modified Sources.

16.12. MUK 2.3.2.721-98 Determination of Safety and Efficacy of Biologically Active Additives to Food.

16.13. Resolution of the Chief State Sanitary Inspector of the Russian Federation dated 08.11.2000 No. 14 On Procedure of the Sanitary-Epidemiological Expert Examination of Food Products Derived from Genetically Modified Sources.

16.14. Social Status and Standard of Living in Russia. Goskomstat of Russia. Moscow, 1997, Pp. 135, 147.

16.15. ICRP 82 Protection of the Publicn Situation of Prolonged Radiation Exposure, 1999, P. 41.

16.16. WHO Technical Report Series No. 832, 1993.

16.17. WHO Technical Report Series No. 851, 1995.

- 16.18. Codex Alimentarius, v. 3, Rome, 1996.
- 16.19. WHO Technical Report Series No. 876, 1998.
- 16.20. WHO Technical Report Series No. 879, 1998.
- 16.21. WHO Food Additives Series No. 41, Geneva, 1998.
- 16.22. WHO Food Additives Series No. 43, Geneva, 2000.
- 16.23. WHO Food Additives Series No. 45, Geneva, 2000.

Annex 17 (Reference) to SanPiN 2.3.2.1078-01, approved by Resolution No. 36 of the Chief State Sanitary Inspector of the RF dated November 14, 2001

THE RECOMMENDED CONTENT OF PROTEINS, FATS AND CARBOHYDRATES IN CERTAIN FOOD PRODUCTS

(introduced by Amendments and Additions No. 2 approved by Resolution No. 41 of the Chief State Sanitary Inspector of the RF dated 15.04.2003)

Index	Product Name	Protein	Fat	Carbohydrat es	Notes
		g in 100 g of	the product		
1	2	3	4	5	6
2.1.1. Meat and poultr	y derived products	·	•		•
2.1.1.1.	Sausage products				
2.1.1.1.1.	Cooked sausages	Not less than 11	Not more than 30	Less than 2	
2.1.1.1.2.	Frankfurters and small sausages	Not less than 10	Not more than 30	Less than 1	
2.1.1.1.3.	Meat breads	Not less than 11	Not more than 30	Less than 2	
2.1.1.1.4.	Cooked and smoked sausages	Not less than 16	Not more than 38	Less than 1	
2.1.1.1.5.	Semismoked sausages	Not less than 16	Not more than 45	Less than 1	

2.1.1.1.6.	Uncooked smoked	Not less than	Not more	Less than 1	
2.1.1.1.0.	sausages		than 50	Looo than 1	
2.1.1.1.7.	Pork products	Not less than	Not more	Less than 1	
			than 50		
2.1.1.2.	Canned meat				l
2.1.1.2.1.	Canned beef	Not less than 17	Not more than 17	Less than 1	
2.1.1.2.2.	Canned lamb	Not less than 16	Not more than 15	Less than 1	
2.1.1.2.3.	Canned pork	Not less than 15	Not more than 32	Less than 1	
2.1.1.2.4.	Canned poultry	Not less than 16	Not more than 18	Less than 1	
2.1.2.	Dairy products				
2.1.2.1.	Curds	Not less than 14	Not more than 18	-	
2.1.2.2.	Processed cheese	Not less than 15	Not more than 32	-	
2.1.3.	Fish products				•
2.1.3.1.	Canned fish				
2.1.3.1.1.	Natural	Not less than 19	Not more than 8	Less than 1	
2.1.3.1.2.	In oil	Not less than 17	Not more than 23	Less than 1	
2.1.4.	Fat products				•
2.1.4.1.	Butter (sweet butter)		Not less than 72		No vegetable or cooking fats

FORMS OF VITAMINS AND MINERAL SALTS PERMITTED TO BE USED IN PRODUCTION OF SPECIAL-PURPOSE FOOD PRODUCTS FOR SPORT NUTRITION

(introduced by Amendments No. 14 approved by Resolution No. 28 of the Chief State Sanitary Inspector of the RF dated 05.05.2009)

Name	Form				
Vitamins					
Vitamin A	Retinol, retinyl acetate; retinyl palmitate; beta- carotene				
Vitamin D	Ergocalciferol; cholecalciferol				
Vitamin E	D-alpha-tocopherol; DL-alpha-tocopherol; D-alpha- tocopherol acetate; DL-alpha-tocopherol acetate, DL- alpha-tocopherol palmitate; D-alpha-tocopherol succinate; DL- alpha-tocopherol succinate; DL-gamma-tocopherol				
Vitamin B ₁	Thiamine bromide; thiamine chloride; thiamine mononitrate				
Vitamin B_2	Riboflavin; sodium riboflavin 5'- phosphate				
Vitamin PP (niacin)	Nicotinamide; nicotinic acid and its salts				
Vitamin B_6	Pyridoxine hydrochloride; pyridoxine-5- phosphate; pyridoxal, pyridoxamine and its phosphates, pyridoxine dipalmitate				
Pantothenic acid	D-calcium pantothenate; D-sodium pantothenate; dexpanthenol				
Vitamin B ₁₂	Cyanocobalamin; methylcobalamin, hydroxocobalamin				
Folic acid	Folic acid (pteroylmonoglutamic)				
Vitamin C	L-ascorbic acid; L-sodium ascorbate; L-calcium ascorbate; 6- palmityl-L-ascorbic acid (ascorbyl-palmitate); potassium ascorbate				
Vitamin K	phylloquinone				
Biotin	D-biotin				
Choline	Choline chloride, choline citrate; choline bitartrate				
Inosite	Inosite				
Carnitine	L-carnitine; L-carnitine hydrochloride; acetyl-L- carnitine; L-carnitine tartrate; L-carnitine chlorhydrate				

Calcium	Calcium carbonate; calcium chloride; calcium salts of citric acid; calcium gluconate, calcium glycerophosphate; calcium lactate; calcium salts of orthophosphoric acid; calcium sulphate; calcium oxide; calcium hydroxide
Sodium	Sodium salts of citric acid; sodium chloride; sodium carbonate; sodium bicarbonate; sodium gluconate; sodium lactate; sodium salts of orthophosphoric acid; sodium sulfate; sodium tartrate; sodium hydroxide
Magnesium	Magnesium acetate; magnesium carbonate; magnesium salts of citric acid; magnesium chloride; magnesium gluconate; magnesium salts of orthophosphoric acid; magnesium sulphate; magnesium lactate; magnesium glycerophosphate; magnesium amino-acid complexes; magnesium oxide; magnesium hydroxide
Potassium	Potassium salts of citric acid; potassium lactate; potassium salts of orthophosphoric acid; potassium gluconate; potassium glycerophosphate; potassium glycerophosphate; potassium chloride; potassium citrate; potassium carbonate; potassium bicarbonate; potassium hydroxide
Iron	<pre>Iron gluconate; iron sulphate; iron lactate, iron fumarate; iron succinate; iron diphosphate (pyrophosphate); sodium- iron diphosphate; iron citrate; ammonium iron citrate; iron carbonate; iron orthophosphate; iron saccharate; iron amino-acid complexes; elemental iron</pre>
Copper	Copper carbonate, copper citrate, copper gluconate, copper sulphate; copper amino-acid complexes
Zinc	Zinc acetate; zinc carbonate; zinc sulphate; zinc chloride; zinc citrate; zinc lactate; zinc gluconate; zinc amino-acid complexes; zinc oxide
Manganese (MnI)	Manganese carbonate, manganese chloride, manganese citrate, manganese gluconate, manganese sulphate, manganese glycerophosphate, manganese amino-acid complexes
Phosphorus	phosphoric acid and sodium, potassium, calcium and magnesium salts of phosphoric acid
Iodine	Potassium iodide, sodium iodide, potassium iodate, sodium iodate, iodine casein
Selenium	Sodium selenate, sodium selenite; monosubstituted sodium selenite; selenium dioxide; selenium amino-acid complexes
Chrome (CrII)	Chrome (III) chloride; chrome (III) sulphate; chrome amino- acid complexes; chrome picolinate; chrome nicotinate
Molybdenum (Mo VI)	Ammonium molybdate; sodium molybdate; molybdenum amino-acid complexes

Annex No. 3 to SanPiN 2.3.2.2804-10

THE LIST OF FOOD PRODUCTS RECOMMENDED TO BE ENRICHED IN VITAMINS AND MINERAL SUBSTANCES

(Introduced by Amendments and Additions No. 22 approved by Resolution No. 177 of the Chief State Sanitary Inspector of the RF dated 27.12.2010)

Food products group	Micronutrient recommended for enrichment
1	2
1. Wheat flour of top and first grade	Vitamins: B_1 , B_2 , B_6 , PP, folic acid, C (processing aid) Mineral substances: iron, calcium
2. Bread and bakery products	Vitamins: B_1 , B_2 , B_6 , PP, folic acid, beta- carotene Mineral substances: iron, calcium, iodine
3. Dairy products (dairy products, dairy compound products, products containing milk, milk devired products)	Vitamins: C, A, E, D, K, beta-carotene, B_1 , B_2 , B_6 , PP, B_{12} , folic acid, pantothenic acid, biotin Mineral substances: iron, calcium, iodine
4. Soft drinks	Vitamins: C, A, E, D, K, beta-carotene and other carotenoids, B_1 , B_2 , B_6 , PP, B_{12} , folic acid, pantothenic acid, biotin Mineral substances: iodine, iron, calcium
(including berries) and	Mineral substances: iodine, iron, calcium
	Vitamins: C, A, E, D, beta-carotene, B_1 , B_2 , B_6 , PP, B_{12} , folic acid, pantothenic acid, biotin Mineral substances: iron, calcium, iodine
7. Fat-and-oil products (vegetable oils, margarines, spreads, mayonnaise, sauces)	Vitamins: A, E, D, beta-carotene
<pre>8. Food concentrates(kissels, instant drinks, ready-to-eat meals)</pre>	Vitamins: C, A, E, D, K, beta-carotene, B_1 , B_2 , B_6 , PP, B_{12} , folic acid, pantothenic acid, biotin Mineral substances: iodine, iron, calcium, magnesium, potassium
9. Confectionary	Vitamins: C, A, E, beta-carotene, B_1 , B_2 , B_6 , PP, folic acid Mineral substances: iodine, iron, calcium, magnesium

10. Fruit and berry concentrates with addition of sugar or other sweetening agents (confiture, jam, marmalade, jelly, fruit ice- cream etc.)	Vitamins: C, A, E, beta-carotene, B ₁ , B ₂ , B ₆ , PP, folic acid Mineral substances: iodine, iron, calcium
12. Edible salt	Mineral substances: iodine, fluorine <*>, potassium, magnesium

<*> For territories with deficiency of this element.

Annex No. 20 to SanPiN 2.3.2.2804-10

CRITERIA FOR RANGING OF A FOOD PRODUCT IN THE CATEGORY OF FOOD PRODUCTS ENRICHED IN VITAMINS AND/OR MINERAL SUBSTANCES

(introduced by Amendments and Additions No. 22 approved by Resolution No. 177 of the Chief State Sanitary Inspector of the RF dated 27.12.2010)

Food Products Group	Weight (Volume) of Food Product which must Contain not less than 15% and not more than 50% of Standard Physiological Need in a Micronutrient.
Wheat flour of top and first grade	100 g
Bread and bakery products from wheat flour of top and first grade and rye and wheat flour	150 g
Liquid dairy products, liquid protein products from seed corn, pulse crops etc. (soymilk)	200 ml
Solid and pasty dairy products and protein products from seed corn, pulse crops etc. (tofu)	100 g
Juice products from fruits (including berries) and (or) vegetables, soft drinks, including ones prepared from food concentrates	300 ml
Dry grain products (breakfast cereals, ready-to-eat extruded products, instant pasta and cereals goods)	50 g
Fat-and-oil products, confectionary, hard rennet cheese, canned foods and vegetable, fruit, berry concentrates and food concentrates	
lodine-treated edible salt	1—2 g
Edible salt	5 g

MAXIMUM PERMISSIBLE LEVELS OF RESIDUES OF VETERINARY (ZOOTECHNICAL) DRUGS IN FOOD PRODUCTS OF ANIMAL ORIGIN CONTROLLED ACCORDING TO INFORMATION ON THEIR USAGE IN FOOD RAW MATERIAL MANUFACTURING PROCESS

(introduced by Amendments and Additions No. 22, approved by Resolution No. 177 of Chief State Sanitary Inspector of the RF dated 27.12.2010 as amended by Amendments No. 24, approved by Resolution No. 79 of Chief State Sanitary Inspector of the RF dated 01.06.2011)

Drug Name	Type of Farm Animals	Product Name	Maximum Permissibl e Levels of Residues (mg/kg, max) <*>	Notes
2	3	4	5	6
Antimicrobial agents	<**>			
Apramicin (aminoglycosides)	All types of livestock for	Meat, fat	1	
	slaughter and poultry	liver	10	
		kidneys	20	
Gentamycin (aminoglycosides)	all types of livestock for	Meat, fat	0.05	
	slaughter	liver	0.2	
		kidneys	0.75	
	cattle	Milk	0.1	
(aminoglycosides)	livestock for slaughter and	Meat, fat	0.1	
	2 Antimicrobial agents Apramicin (aminoglycosides) Gentamycin (aminoglycosides) Kanamycin (aminoglycosides)	2 3 Antimicrobial agents <**> Apramicin (aminoglycosides) Gentamycin (aminoglycosides) All types of livestock for slaughter and poultry all types of livestock for slaughter Cattle Kanamycin All types of	2 3 4 Antimicrobial agents <**> Apramicin (aminoglycosides) All types of livestock for slaughter and poultry Meat, fat liver Gentamycin (aminoglycosides) all types of livestock for slaughter Meat, fat liver Kanamycin (aminoglycosides) All types of livestock for slaughter Meat, fat Kanamycin (aminoglycosides) All types of livestock for slaughter and Meat, fat	Antimicrobial agentsAll types of livestock for slaughterMeat, fat12345Antimicrobial agents11Antimicrobial agents11Apramicin (aminoglycosides)All types of livestock for slaughterMeat, fat1Gentamycin (aminoglycosides)all types of livestock for slaughterMeat, fat0.05CattleMilk0.1Kanamycin (aminoglycosides)All types of livestock for slaughterMeat, fat0.1

			liver	0.6	
			kidneys	2.5	
			Milk	0.15	—
1.4	Neomycin	All types of livestock for slaughter, including poultry and fish of pond and cage culture fishery	Meat, fat	0.5	Including framycetin
			Eggs and liquid egg products	0.5	
			Kidneys	5	
			liver	0.5	
			Milk	1.5	
1.6	Paromomycin (aminoglycosides)	All types of livestock for slaughter, including poultry and fish of pond and cage culture fishery	Meat	0.5	
			Liver and kidneys	1.5	
1.7	Spectinomycin (aminoglycosides)	All types of livestock for slaughter, including poultry and fish of pond and cage culture fishery except sheep Sheep	Fat	0.5	
			Meat	0.3	
			Kidneys	5	
			Beef liver	1	
			Milk	0.2	
			Fat	0.5	
			Meat	0.3	
			Kidneys	5	
			Liver	2	
			Milk	0.2	
1.8	Streptomycin/ Dihydrostreptomycin (aminoglycosides)	All types of livestock for slaughter	Meat Fat Liver Kidneys	0.5 0.5 0.5 1	
------	---	--	---------------------------------	------------------------	--
		Poultry	Eggs and egg products	0.5	
1.9	Ceftiofur	All types of	meat	1.0	Amount of all residues
	(cephalosporins)	slaughter mammals, poultry	liver kidneys	2.0	containing ß - lactam structure represented as desfuroil-ceftiofur
			fat milk	2.0 0.1	
1.10	Cefacetrile (cephalosporins)	cattle	Milk	0.125	In case of intra- udder use
1.11	Cefalexin	cattle	Milk	0.1	
	(cephalosporins)		Meat	0.2	
			Fat	0.2	
			Kidneys	1	
			liver	0.2	
1.12	Cefalonium (cephalosporins)	cattle	milk	0.02	
1.13	Cefoperazone (cephalosporins)	cattle	Milk	0.05	
1.14	Cefquinome	Cattle, pigs, horses	Meat,	0.05	
	(cephalosporins)		skin,	0.05	
			fat,	0.05	
			liver	0.1	
			kidneys	0.2	
			milk	0.02	
1.15	Cefapirin	cattle	Meat,	0.05	Amount of cefapirin
	(cephalosporins)		fat	0.05	and desacetyl- cefapirin

	kidneys	0.1

			Milk	0.01	
1.16.	All substances of	All types of	Meat,	0.1	Amount of all
	sulfanilamide group	livestock for	fat,	0.1	residues of this
	(sulfanilamides)	slaughter and poultry	liver,	0.1	group shall not
			kidneys	0.1	exceed the Maximum
		Cattle	Milk	0.025	Permissible Levels
		Sheep			(MPL)
		Goats			
1.17.	Baquiloprium(diamino	Cattle	fat	0.01	
	pyrimidine		liver	0.3	
	derivatives)		kidneys	0.15	
			milk	0.03	
		pigs	skin and fat	0.04	
			liver	0.05	
			kidneys	0.05	
1.18.	Trimethoprim	All types of	meat	0.05	
	(diaminopyrimidine	livestock for	liver	0.05	
	derivatives)	slaughter and	kidneys	0.05	
		poultry, except	fat	0.05	
		horses			
			milk	0.05	
		Horses	meat	0.1	
			liver	0.1	
			kidneys	0.1	
			fat	0.1	
1.19.		Cattle, pigs	Meat	0.1	
	beta-lactamases		Fat (for pigs	0.1	
	inhibitors)		- skin and		
			fat)		
			liver	0.2	
			kidneys	0.4	
		Cattle	milk	0.2	•
1.20	Lincomycin /	All types of	meat	0.1	
	Clindamycin	livestock for	fat, skin	0.05	
	(lincosamides)	slaughter and poultry			

I	1	I	1	I	1 1
			liver	0.5	
			kidneys	1.5	-
			milk	0.15	
			eggs and	0.05	
			liquid egg		
			products		
1.21	Pirlimycin	all types of	meat	0.1	
	(lincosamides)	livestock for	liver	1	
		slaughter and poultry	kidneys	0.4	
			milk	0.1	
1.22	Thiamphenicol (florfenicols)	all types of livestock for slaughter, including poultry and fish of pond and cage culture fishery		0.05	As sum of thiamphenicol and thiamphenicol conjugates in terms of thiamphenicol
			fish) kidneys(except	0.05	
			fish)		
			Fat (for pigs and poultry - in natural ratios with skin)	0.05	
			milk	0.05	
1.23	Florfenicol	Cattle and small	meat	0.2	Amount of florfenicol
	(florfenicols)	cattle	liver fat kidneys	3 0.2 0.3	and its metabolites in the form of florfenicol amine
		Pigs	meat	0.3	
			liver kidneys fat, skin	2 0.5 0.5	
		Poultry	meat	0.1	4
					4

			liver	2.5	
			kidneys	0.75]
			fat, skin	0.2	
		Fish of pond and cage		1	
		culture fishery	natural ratios		
			with skin)		
		Other types of animals	meat	0.1	
			fat	0.2	
			liver	2	1
			kidneys	0.3	
1.24	Flumequine	Cattle and small	meat	0.2	
	(quinolones)	cattle, pigs	liver	0.5	
			kidneys	1.5	
			fat	0.3	
			milk	0.05	
		Poultry	meat	0.4	1
			liver	0.8	
			kidneys	1	
			fat, skin	0.25	
		Fish of pond and cage	Meat (in	0.6	
		culture fishery	natural ratios		
			with skin)		
		Other types of	meat	0.2	-
		animals	liver	0.5	
			kidneys	1	
			fat	0.25	
1.25	Ciprofloxacin /	All types of	Meat	0.1	Sum of
	<pre>enrofloxacin / Pefloxacin / ofloxacin / norfloxacin (fluoroquinolones)</pre>	livestock for slaughter, including poultry and fish of pond and cage culture fishery	Fat (for pigs - in natural ratios with skin)	0.1	fluoroquinolones

_____ _____ _____ ____ _____ _____ _____

		Cattle and small cattle		0.1	
			Liver	0.3	
			Kidneys	0.2	
		Poultry	Liver	0.2	
			Kidneys	0.3	
			Skin	0.1	
		Pigs, rabbits	Liver	0.2	
			Kidneys	0.3	
1.26	Sarafloxacin	Turkeys, chickens	Meat	0.01	
	(quinolones)		Liver	0.1	
			Kidneys	0.1	
			Skin and fat	0.01	
		Fish of pond and cage		0.03	
			natural ratios		
		(salmon)	with skin)		
1.27	Danofloxacin	Cattle and small	Meat	0.2	
	(quinolones)	cattle, poultry	Liver	0.4	
			Kidneys	0.4	
			Fat (for		
			poultry – skin and fat)	0.1	
			Milk	0.03	
		Other types of	Meat (for fish	0.1	
		livestock for	in natural		
		slaughter, including	ratios with		
		fish of pond and cage	skin)		
		culture fishery			
			Liver	0.2	
			Kidneys	0.2	
			Fat (for pigs	0.05	
			- in natural		
			ratios with skin)		
			,		

1.	28.	Difloxacin	Cattle	and	smallMeat	0.4	
			cattle				

(quinolones)		Liver	1.4	
		Kidneys	0.8	
		Fat	0.1	
	Pigs	Meat	0.4	
	1 195	Liver	0.8	
		Kidneys	0.8	
		Skin and fat	0.0	
	Poultry	Meat	0.1	
	POULLY	Liver	1.9	
			0.6	
		Kidneys		
			0.4	
		ofMeat (for fish		
		or- in natural		
		ngratios with	L L	
	fish of pond and ca	geskin)		
	culture fishery			
		Liver	0.8	
		Kidneys	0.6	
		Fat	0.1	
1.29. Marbofloxacin	Cattle, pigs	Meat	0.15	
(quinolones)		Fat (for pigs		
		- in natural		
		ratios with	L	
		skin)		
		Liver	0.15	
		Kidneys	0.15	
		Milk	0.075	
		ofMeat (for fish		
(quinolones)		or - in natural		
		ngratios with	L	
	poultry and fish	ofskin)		
	pond and cage cultu		0.15	
	fishery	kidneys	0.15	
		Fat (for pigs		
		and poultry -		
		skin and fat		
		in natural		
		ratios)		

1.31	Erythromycin (macrolides)	All types of livestock for slaughter, including poultry and fish of pond and cage culture	Meat (for fish - in natural ratios with skin)	0.2	
		fishery	Liver	0.2	
			Kidneys	0.2	
			Fat (for pigs - in natural ratios with skin)	0.2	
			Milk	0.04	
			Eggs and liquid Egg products	0.15	
1.32	Spiramycin (macrolides)	Cattle	Meat Fat Liver Kidneys Milk	0.2 0.3 0.3 0.3 0.2	Amount of spiramycin and neospiramycin
		Chickens	Meat Skin and fat Liver	0.2 0.3 0.4	
		Pigs	Meat Liver Kidneys Fat	0.25 2 1 0.3	equivalents of spiramycin (residues with antimicrobial activity)
1.33	Tilmicosin (macrolides)	Poultry	Meat skin and fat liver	0.075 0.075 1	

			kidneys	0.25	
		Other types of livestock for slaughter, including fish of pond and cage culture fishery	Meat (for fish in natural ratios with skin) Liver Kidneys Fat (for pigs - in natural ratios with skin)	0.05 1 1 0.05	
			Milk	0.05	-
1.34.			Meat (for fish - in natural ratios with skin) Liver Kidneys Fat (for pigs and poultry - in natural ratios with skin) Eggs Milk	0.1 0.1 0.1 0.1 0.2 0.05	As tylosin A
1.35.	Tylvalosin(macrolide s)		Meat Fat and skin Liver Kidneys	0.05 0.05 0.05 0.05	Amount of tylvalosin and 3-0-acetyltylosin
		Poultry	Meat Fat and skin Liver	0.05 0.05 0.05	
1.36.	Tulathromycin (macrolides)	Cattle	Fat	0.1	(2R, 3S, 4R, 5R, 8R, 10R, 11R, 12S, 13S,

	kidneys	<pre>14R) - 2-ethyl 3,4,10,13- tetrahydroxy- 3,5.8,10,12,14 hexamethyl - 11 [[3,4.6-trideoxi-3- (dimethylamino)-β-D- xylo- hexopyranosil oxy]-1-oxa-6- azacilopent-decan -15 one, represented a equivalents on particular </pre>	
		equivalents o tulathromycin	f

		Pigs	Skin and fat	0.1	
			Liver	3	
			Kidneys	3	
1.37.	Tiamulin (pleuromutilins)	Pigs, rabbits	Meat Liver	0.1 0.5	Amount of metabolites that may be
		Chickens	Meat	0.1	hydrolyzed in 8- α -
			Skin and fat	0.1	hydroximutilin
			Liver	1	
			Eggs and liquid egg products	1	
		Turkeys	Meat	0.1	
			Skin and fat	0.1	
			Liver	0.3	
1.38.		Pigs	Meat	0.05	
	(pleuromutilins)		Liver	0.5	
			kidneys	0.1	
1.39.	Rifaximin/Rifampicin (ansamycins)	All types of livestock for slaughter, including poultry and fish of pond and cage culture fishery	meat	Since 01.01.2012	rifaximin
		Cattle	milk	0.06	

		Bees	honey	Since 01.01.2012	
1.40.	Colistin (polymyxins)	All types of livestock for slaughter, including poultry and fish of pond and cage culture fishery	ratios with skin) Fat (for pigs and poultry - skin and fat in natural ratios) liver kidneys Milk	0.15 0.15 0.2 0.05 0.3	
1.41.	Bacitracin (polypeptides)	Cattle Rabbits	milk Meat Fat Liver kidneys	0.1 0.15 0.15 0.15 0.15	Amount of bacitracins A, B, C, including, in the form of zinc- bacitracin
1.42.	Novobiocin	Cattle	milk	0.05	
1.42.	Avilamycin (orthozomycins)	Pigs, fowl, rabbits	Meat Fat Liver Kidneys	0.05 0.1 0.3 0.2	Dichloroizo-evernyn acid
1.44.	Monensin (ionophores)	Cattle Other types of livestock for slaughter and poultry, except broilers, turkeys	Meat Fat Liver Kidneys milk Liver	0.002 0.01 0.03 0.002 0.002 0.008	monensin A

			Other products	0.002	
1.45.	Lasalocid (ionophores)	Poultry	Meat Skin and fat Liver Kidneys eggs	0.02 0.1 0.1 0.05 0.15	lasalocid A
		Other types of livestock for slaughter, including fish of pond and cage culture fishery	Milk	0.001 0.05 0.05	Sodium-lasalocid
1.46.	Nitrofurans (including furazolidone)	All types of livestock for slaughter, including poultry and fish of pond and cage culture fishery, bees	Meat Skin and fat Liver Kidneys eggs milk honey	0.001	Shall become effective since 01.01.2012 ate Sanitary Inspector
	RF dated 01.06.2011) Metronidazole / dimetridazole / dapsone / clotrimazole / aminitrizole	All types of livestock for slaughter, including poultry and fish of pond and cage culture fishery, bees	Meat Skin and fat	Since 01.01.2012	not allowed for products of animal origin at the level of methods identification
1.48.	Flavomycin (streptothricyns)	All types of livestock for slaughter, including poultry and fish of pond and cage culture fishery, prawns	Meat Liver Kidneys Fat	Till 01.01.2012 0.7 0.7 0.7 0.7 0.7	flavophospholipol

<u>.</u>			
	Eggs	0.7	

			Milk	0.7	
1.49.	Doxiciclin	Cattle	Meat	0.1	
	(tetracyclines)		Liver	0.3	
			Kidneys	0.6	
		Pigs, fowl	Meat	0.1	
			Skin and fat	0.3	
			Liver	0.3	
			Kidneys	0.6	
1.50.	Benzylpenicillin/	All types of	Meat (for	0.05	
	Penethamate	livestock for	fish - in		
	(penicillin group)	slaughter, including	natural		
		poultry and fish of	ratios with		
		pond and cage culture			
		fishery	Fat (for pigs	0.05	
			and poultry -		
			in natural		
			ratios with		
			skin)		
			Liver	0.05	
			Kidneys	0.05	
1.51.	Ampicillin	All types of	Meat (for	0.05	
	(penicillin group)	livestock for	fish - in		
	(Pontotttin group)	slaughter, including	adequate		
		poultry and fish of	ratio with		
		pond and cage culture			
		fishery	0.11211.)		
		11011019	Fat	0.05	
			Liver	0.05	
			Kidneys	0.05	
			Milk	0.004	
1.52.	Amoxicillin (penicill		Meat (for	0.05	
	in group)	livestock for	fish - in		
		slaughter, including	adequate		
		poultry and fish of	ratio with		
		pond and cage culture	skin)		
		fishery			
			Fat	0.05	
			Liver	0.05	
			Kidneys	0.05	
			Milk	0.004	

1.53.	Cloxacillin (penicillins)	All types of livestock for slaughter, including poultry and fish of pond and cage culture fishery	Kidneys	0.3 0.3 0.3 0.3 0.3 0.03	
1.54.	Dicloxacillin (penicillins)	All types of livestock for slaughter, including poultry and fish of pond and cage culture fishery	Meat Fat Liver Kidneys Milk	0.3 0.3 0.3 0.3 0.03	
1.55.	Nafcillin (penicillins)	All types of ruminant animals	Meat Fat Liver Kidneys Milk	0.3 0.3 0.3 0.3 0.03	
1.56.	Oxacillin (penicillins)	All types of livestock for slaughter, including poultry and fish of pond and cage culture fishery	Meat Fat Liver Kidneys Milk	0.3 0.3 0.3 0.3 0.03	
1.57.	Phenoximethylpenicil lin(penicillin group)		Meat Liver Kidneys Meat Skin and fat Liver Kidneys	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	

Antiprotozoal ag				
Diclazuril	sheep	meat	0.5	as diclazuril
	rabbits	liver	3.0	
		kidneys	2.0	
		fat	1.0	
	Poultry (broiler	meat	0.5	
		liver	3	
	_		2	
	5 11 5	fat, skin	1	
			0.002	
	livestock fo	r	0.04	
	praugnicer, incruari.	Ykidnove		
	fish of pond and cag			
	culture fishery	Other products	0.005	
Imidocarb	cattle	meat	0.3	as imidocarb
		Fat		
		Liver	2	
		Kidneys	1.5	
		Milk	0.05	
	Sheep	meat	0.3	
	-	Fat	0.05	
		Liver	2	
		Kidneys	1.5	
Toltrazuril	All types c		0.1	Toltrazuril sulfone
	productive mammals	Fat	0.15	
	Fowl	Liver	0.5	
		Kidneys	0.25	
		Meat	0.1	
		Skin and fat	0.2	
		Liver	0.6	
		Kidneys	0.4	
Nicarbazin	Broiler chickens	Meat	0.2	as N, N'-bis (4 nitrofenil) urea
		Liver	0.2	
		-		
		Fat, skin	0.2	
	Diclazuril Imidocarb Toltrazuril	rabbits Poultry (broiler chickens,turkeys for fattening up),pigs Other types Other types Ivestock fc slaughter, includin fish of pond and cag culture fishery Imidocarb cattle Sheep Sheep Toltrazuril All types c Fowl Fowl Fowl Fowl	Diclazurilsheep rabbitsmeat liver kidneys fatPoultry (broiler chickens,turkeys for fattening up),pigsmeat liver kidneys fat, skinOther typestypes of Eggs livestock for slaughter, including Kidneys other productsImidocarbcattlemeat Fat Liver Kidneys MilkImidocarbcattlemeat Fat Liver Kidneys Other productsToltrazurilAll Fowltypes fat Sheepfat Liver Kidneys MilkToltrazurilAll Fowltypes fat Liver Kidneys Meat Skin and fat Liver KidneysNicarbazinBroiler chickensMeat Liver Kidneys	Diclazurilsheep rabbitsmeat liver0.5 3.0 kidneysPoultry (broiler chickens,turkeys for fattening up),pigsmeat liver0.5 fat, skinOther typestypes fat, skin1Other typestypes fat, skin1Other typestypes fat, skin0.002 Liverlivestock slaughter, including Fish of pond and cage culture fishery0.04 0.005Imidocarbcattlemeat Fat 0.05 Liver0.3 Fat 0.05 LiverImidocarbcattlemeat Fat 0.05 Liver0.3 Fat 0.05 LiverToltrazurilAll types of Meat Fowl0.1 Fat 0.15 Skien and fat 0.1 Skin and fat 0.1 Skin and fat 0.2 Kidneys0.2 Cativer MeatNicarbazinBroiler chickensMeat Cativer 0.2 Kidneys0.2 Cativer Cativ

2.5.	Amprolium	Other types of livestock for slaughter, including fish of pond and cage culture fishery Broiler chickens,turkeys	Other products Meat Skin and fat Liver Kidneys	0.1 0.005 0.1 0.025 0.2 0.2 0.2 0.4 1	
2.6.	Robenidine	All types of livestock for slaughter, fish and poultry, except broilers, turkeys and rabbits for fattening up		0.025 0.05 0.05 0.05 0.05 0.05	Robenidine hydrochloride
2.7.	Semduramicin	All types of livestock for slaughter, including fish of pond and cage culture fishery, except broiler chickens	All types of products	0.002	
2.8.	Narasin	All types of livestock for slaughter, including fish of pond and cage culture fishery, except broiler chickens	Eggs Milk Liver Other products	0.002 0.001 0.05 0.005	
2.9.	Maduramicin	All types of livestock for slaughter, including fish of pond and cage culture fishery, except broiler chickens and turkeys	All types of products	0.002	

2.10.	Salinomycin	All types of	Liver(except	0.005	Salinomycin sodium
		livestock for	rabbit's		
		slaughter, including	liver)		
		poultry, fish of pond			
		and cage culture			
		fishery, except			
		broiler chickens and			
		rabbits for fattening			
		up			

			Other products		
2.11.	Halofuginone	All types of livestock for slaughter, including poultry, fish of pond and cage culture fishery, except broiler chickens, turkeys and cattle, except dairy cattle	Liver Kidneys Eggs	0.01 0.025 0.03 0.03 0.006 0.001 0.003	
2.12.	Decoquinate	All types of livestock for slaughter, including poultry, fish of pond and cage culture fishery, except broiler chickens, cattle and small cattle, except dairy cattle	All types of products	0.02	

1	2	3	4	5	6
3.1.	Cyhalothrin	cattle, pigs, sheep	meat	0.02	as cyhalothrin
0.1.	Cynaro chirin	cattere, pige, sheep	liver	0.02	
			kidneys	0.02	
			fat	0.4	
		cattle	milk	0.03	
3.2.	Dicyclanil	sheep	meat	0.2	Amount of dicyclanil
	-	-	liver	0.4	and 2,4,6-triamino-
			kidneys	0.4	pyrimidine-5-
			fat	0.15	carbonitrile
3.3.	Trichlorfon	cattle	milk	0.05	as trichlorfon
	(Metrifonate)				
	(,				
3.4.	Deltamethrin	cattle, sheep,	meat	0.03	as deltamethrin
5.1.	Dertamethrin	chickens	lineae		
		CHICKEHS	liver	0.05	
			kidneys	0.05	
			fat	0.5	
		Cattle, chickens	milk	0.03	
		fish (salmon)	eggs	0.03	
			meat	0.03	
3.5.	Phoxim	sheep, goats	meat	0.05	as phoxim
			liver	0.05	
			kidneys	0.05	
			fat	0.4	
		pigs	Meat	0.02	
			Skin and fat	0.7	
			Liver	0.02	
			Kidneys	0.02	
		chickens	Meat	0.025	
			Skin and fat	0.55	
			Liver	0.05	

			Kidneys	0.03	
			Eggs	0.06	
3.6.	Cyfluthrin	cattle, goats	Meat	0.01	as cyfluthrin (sum of
			Fat	0.05	isomers)
			Liver	0.01	
			Kidneys	0.01	
			Milk	0.02	
3.7.	Cypermethrin and	All ruminant animals	meat	0.02	Cypermethrin (sum of
	Alpha-Cypermethrin		Fat	0.2	isomers)
			Liver	0.02	
			Kidneys	0.02	Muscles and skin of
			Milk	0.02	fish in natural
		Salmon	meat	0.05	ratios
3.8.	Fluazuron	cattle	meat	0.2	
			liver	0.5	
			kidneys	0.5	
			fat	7.0	
3.9.	Amitraz	Cattle	Fat	0.2	Amount of amitraz and
			Liver	0.2	all metabolites,
			Kidneys	0.2	containing 2,4-
			Milk	0.01	dimethoxyamphetamine
		Sheep	Fat	0.4	(2,4-DMA) group
			Liver	0.1	represented as
			Kidneys	0.2	amitraz
			Milk	0.01	-
		Goats	Fat	0.2	
			Liver	0.1	
			Kidneys	0.2	
			Milk	0.01	4
		Pigs	Skin and fat Liver	0.4	
			Kidneys	0.2	
		Bees		0.2	4
		DEES	honey	0.2	

Note:

<*> Maximum permissible levels of residues of antimicrobial agents for fat, liver and kidneys do not apply to fish.
<****> Control over all drugs included in Index No.1 "Antimicrobial Agents", except streptomycin / dihydrostreptomycin, agents of sulfanilamide group (sulfanilamides), antibiotics of tetracycline group, bacitracin in meat, liver, kidneys, penicillin group, Index No.2 "Antiprotozoal Agents", Index No.3 "Insecticides" - from the moment of approval of identification methods.