

3.6. Main Raw Materials and Components Used during Production of Children Food Products

Index, products group	Indicators	Permissible levels, mg/kg, not more than	Notes
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 substances	not allowed	raw milk and cream
	Dioxins:	not allowed	
	Melamine	not allowed	< 1 mg/kg
(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)			

Microbiological indicators:

Index, products group	QMAFAnM, CFU/g, not more than	Product weight (cm ³ , g), in which the indicator is not allowed	Mould, yeast, CFU/g, not more than	Notes
		Coliform bacteria (coliforms)	S. aureus	Pathogenic, including

)		salmonella		
1	2	3	4	5	6	7
3.6.1.1. Raw cow milk: - top-grade - 1 st grade	3 x 1E5 5 x 1E5	- -	- -	25 25		somatic cells, not more than 5 x 1E5 in 1 cm
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 electrodialysis, ultrafiltration and electrodialysis	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 made from cheese whey	2.5 x 1E4	1.0	1.0	25	Mould - 50; yeast - 10	
3.6.1.7. Dry carbohydrate-protein moulds made from curd whey	2.5 x 1E4	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. Dry paracasein concentrate		1.0	1.0	25	Mould - 50; yeast - 50	the same
3.6.1.10. Dry kazetsit	1 x 1E4	1.0	1.0	25	Mould - 50; yeast - 10	
3.6.1.11. Nonfat dry milk component for dry children food products	1.5 x 1E4	0.3	1.0	25	Mould - 50; yeast - 10	
3.6.1.12. Dry milk component with malt extract (for liquid children food products); nonfat dry milk component (for production of biologically active substances)	1.5 x 1E4	1.0	1.0	25	Mould - 50; yeast - 10	
3.6.1.13. Dry milk component with carbohydrate- protein concentrate for liquid children food products	2.5 x 1E4	1.0	1.0	25	Mould - 50; yeast - 50	
3.6.1.14. Dry nonfat milk component without chemical treatment for dry children food products	2.5 x 1E4	1.0	1.0	25	Mould - 50; yeast - 50	

Index, products group	Indicators	Permissible levels, mg/kg, not more than	Notes
1	2	3	4
3.6.2. Grain and grain products (flour, cereals)	Toxic elements, mycotoxins, pesticides, injurious additives, benz(a)pyrene	under Item 3.1.2.1	
	Radionuclides: cesium-137 strontium-90	40 25	Bq/kg the same

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

Microbiological indicators:

Index, products group	QMAFAnM, CFU/g, not more than	Product weight (cm ³ , g), in which the indicator is not allowed			Mould, CFU/g, not more than	Yeast, CFU/g, not more than
		Coliform bacteria (coliforms)	S. aureus	Pathogenic, including salmonella		
1	2	3	4	5	6	7
3.6.2.1. Not treated rice, buckwheat, oat, wheat, barley cereals	2.5 x 1E4	1.0	-	25	100	100
3.6.2.2. Not treated rice, buckwheat, oat, rye flour	5 x 1E4	0.1	-	25	200	100
3.6.2.3. Treated rice, buckwheat, oat, rye flour	1 x 1E4	1.0	1.0	25	50	10
3.6.2.4. Semolina	1 x 1E4	1.0	1.0	25	50	50
3.6.2.5 Oatmeal	1 x 1E4	1.0	1.0	25	50	10

(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)

Index, products group	Indicators	Permissible levels, mg/kg, not more than	Notes
1	2	3	4
3.6.3. Fresh fruit, vegetables	Toxic elements: lead arsenic cadmium mercury	0.3 0.2 0.02 0.01	
	Pesticides: hexachlorocyclohexane (alpha-, beta-, gamma - isomers) DDT and its metabolites	0.01 0.005	
(as amended by Amendments and Additions No. 22 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 27.12.2010)			
	Nitrates:	600 400 200	beet-root cabbage vegetables, bananas, fruit
	Radionuclides:		
	cesium-137	60	Bq/kg
	strontium-90	25	the same
(as amended by Amendments and Additions No. 10 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 16.07.2008 No. 43)			
3.6.3.1. Concentrated fruit juices of aseptic canning or fast-frozen	Toxic elements	under Item 3.1.3	in terms of initial product (juices) subject to dry substances content in it and in the end product (concentrated juices)
	Mycotoxins: penicidin	not allowed	< 0.02 apple, sea-buckthorn
	Pesticides: hexachlorocyclohexane hexane (alpha-, beta-, gamma - isomers) DDT and its metabolites	0.1 0.05	
(as amended by Amendments and Additions No. 22 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 27.12.2010)			

	Nitrates	100	fruits
(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)			
3.6.4. Meat of the livestock for slaughter (beef, pork, horse meat etc.)	Toxic elements:		
	Lead	0.1	for children under 3 years
		0.2	for children older than 3 years
	Arsenic	0.1	
	Cadmium	0.03	
	Mercury	0.01	for children under 3 years
		0.02	for children older than 3 years
	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 Resolution of the Chief State Sanitary Inspector of the RF dated 01.06.2011 No. 79)			
	Pesticides:		
hexachlorocyclohexane (alpha-, beta-, gamma - isomers)	0.01	for children under 3 years	
	0.015	for children older than 3 years	
	0.01	for children under 3 years	
	0.015	for children older than 3 years	
(as amended by Amendments and Additions No. 22 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 27.12.2010)			
	Dioxins:	not allowed	
	Radionuclides:		
	cesium-137	70	Bq/kg
	strontium-90	30	the same
(as amended by Amendments and Additions No. 10 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 16.07.2008 No. 43)			

3.6.4.1. By-products of the livestock for slaughter (liver, heart, tongue)	<p>Toxic elements:</p> <p>lead 0.5</p> <p>arsenic 1.0</p> <p>cadmium 0.3</p> <p>mercury 0.1</p>		
	Antibiotics		
	laevomycetin (chloramphenicol)	0.01	Expiring on 01.01.2012.
		0.0003	Shall become effective since 01.01.2012.
	tetracycline group	0.01	
	0.02		
(as amended by Amendments No. 24 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 01.06.2011 No. 79)			
	<p>Pesticides:</p> <p>hexachlorocyclohexane (alpha-, beta-, gamma - isomers)</p> <p>DDT and its metabolites</p>	0.015	
(as amended by Amendments and Additions No. 22 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 27.12.2010)			
	Dioxins:	not allowed	
	Radionuclides:		
	cesium-137	70	Bq/kg
	strontium-90	30	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 group	QMAFAnM, CFU/g, not more than	Product weight (cm ³ , g), in which the indicator is not allowed		
		Coliform bacteria (coliforms)	S. aureus	Pathogenic, including salmonella and L. monocytogenes
3.6.4. Meat of the livestock for slaughter (in bulk and cut):		1.0		25
- new-slaughtered	10	1.0	-	25
- chilled	1 x 1E3	0.1	-	25
- frozen	1 x 1E4	0.01	-	25

- frozen blocks and pieces	1 x 1E5	0.001	-	25
- by-products	-	-	-	25
- dry food blood	2.5 x 1E4	1.0	1.0	25

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

Index, products group	Indicators	Permissible levels, mg/kg, not more than	Notes
1	2	3	4
3.6.5. Poultry meat	Toxic elements:		
	lead	0.2	
	arsenic	0.1	
	cadmium	0.03	
	mercury	0.02	
	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 Resolution of the Chief State Sanitary Inspector of the RF dated 01.06.2011 No. 79)	Pesticides:	0.02	
	hexachlorocyclohexane (alpha-, beta-, gamma - isomers) DDT and its metabolites	0.01	
(as amended by Amendments and Additions No. 22 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 27.12.2010)			
	Dioxins:	not allowed	
	Radionuclides:		
	cesium-137	70	Bq/kg
	strontium-90	30	the same
(as amended by Amendments and Additions No. 10 approved by Resolution of the Chief State Sanitary Inspector of the Russian Federation dated 16.07.2008 No. 43)			

Microbiological indicators:

Index, products QMAFAnM, Product weight (cm³, g), in which the group indicator is not allowed

1	CFU/g, not more than 2	Coliform bacteria (coliforms)	S. aureus	Pathogenic, including salmonella and L. monocytogenes
		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 without bones;	2 x 1E5			25
lump meat with bones, including chicken legs and breasts				
- mechanically deboned meat	1 x 1E6			25
3.6.5.2.	2 x 1E5	-	-	25
Chilled poultry by- products				

Index, products group	Indicators	Permissible levels, mg/kg, not more than	Notes
1	2	3	4
3.6.6. Fish	Toxic elements:		
	lead	0.5	
	arsenic	0.5	
	cadmium	0.1	
	mercury	0.15	
Antibiotics <*>: in fish of pond and cage culture fishery			
	tetracycline group	0.01	
(as amended by Amendments and Additions No. 24 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 01.06.2011 No. 79)			
	Pesticides: hexachlorocyclohexane (alpha-, beta-, gamma -	0.02	

isomers) DDT and its metabolites	0.01	
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(as amended by Amendments and Additions No. 22 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 27.12.2010

Nitrosamines: sum of nitrosomethylamine and nitrosodiethylamine	not allowed	< 0.001
histamine	100	tunny, mackerel, salmon, herring
polychlorinated biphenyls	2.0	
Dioxins:	not allowed	
Radionuclides:		
cesium-137	100	Bq/kg
strontium-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 group	QMAFAnM, CFU/g, not more than	Product weight (cm ³ , g), in which the indicator is not allowed		
		Coliform bacteria (coliforms)	S. aureus	Pathogenic, including salmonella and L. monocytogenes
3.6.6. Chilled, subfrozen, frozen raw fish	5 x 1E4	0.01	0.01	25

(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)

Index, products group	Indicators	Permissible levels, mg/kg, not more than	Notes
3.6.7. Refined and deodorized vegetable oil	Toxic elements:		
	arsenic	0.1	
	cadmium	0.05	
	mercury	0.03	

	Pesticides:		
	Hexachlorocyclohexane para- and meta- isomers	0.01 0.1	
(as amended by Amendments and Additions No. 22 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 27.12.2010)			
	Indicators	2	active oxygen
	oxidative		mmole/kg mg
	spoilage:		KOH/g unit/g
	peroxide value		
	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 and Additions No. 10 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 16.07.2008 No. 43)			

Microbiological indicators:

Index, products group	QMAFAM, CFU/g, not more than	Product weight (cm ³ , g), in which the indicator is not allowed				
		Coliform bacteria (coliforms)	S. aureus	Pathogenic, including salmonella	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						
3.6.7.3. Soya-bean oil	100	1.0	-	25	20	1.0

Index, products group	Indicators	Permissible levels, mg/kg, not more than	Notes
3.6.8. Top-grade butter Rendered poultry fat	Toxic elements:		
	lead	0.1	
	arsenic	0.1	
	cadmium	0.03	
	mercury	0.03	
	Antibiotics <*>: including in rendered poultry fat		
	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. 24 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 01.06.2011 No. 79)			
	Mycotoxins: aflatoxin M1	not allowed	< 0.00002
	Pesticides: Hexachlorocyclohexane (alpha-, beta-, gamma - isomers)	0.2	
	DDT and its metabolites	0.2	
(as amended by Amendments and Additions No. 22 approved by Resolution of the Chief State Sanitary Inspector of the RF dated 27.12.2010)			
	Dioxins:	not allowed	
	Radionuclides:		
	cesium-137	40	Bq/kg
	strontium-90	25	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 group	QMAFAnM, CFU/g, not more than CFU/g,	Product weight (cm ³ , g), in which the indicator is not allowed			Mould, CFU/g, not more than	Notes
		Coliform bacteria (coliforms)	S. aureus	Pathogenic, including salmonella		
3.6.8.1. Top-grade butter	1 x 1E4	0.1	1.0	25 <*>	100	<*> additionally L. monocytogenes
3.6.8.2. Rendered poultry fat	1 x 1E2	1.0	1.0	25	-	

Index, products group	Indicators	Permissible levels, mg/kg, not more than	Notes
1	2	3	4
3.6.9. Sugar sand	Toxic elements: lead arsenic cadmium mercury	0.5 1.0 0.05 0.01	
	Pesticides: Hexachlorocyclohexane (alpha-, beta-, gamma isomers) DDT and its metabolites	not allowed not allowed	< 0.005 < 0.005
(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. 22, approved by Resolution of the Chief State Sanitary Inspector of the RF dated 27.12.2010 No. 177)			

Microbiological indicators:

Index, products group	QMAFAnM, CFU/g, not more than	Product weight (cm ³ , g), in which the indicator is not allowed			Mould, CFU/g, not more than	Yeast, CFU/g, not more than
		Coliform bacteria (coliforms)	S. aureus	Pathogenic, including salmonella		
1	2	3	4	5	6	7
3.6.9.1. Sugar sand, refined milk sugar	1 x 1E3	1.0		25	10	10

3.6.9.2. Maize molasses	5 x 1E3	1.0	1.0	100	50	10
3.6.9.3. extract for children food	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 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 x 1E4	1.0	-	25	50	10
3.6.9.10. Refined milk sugar	1 x 1E3	1.0	-	25	10	10
3.6.9.11. Food lactose of spray dehydration	1 x 1E4	1.0	1.0	25	100	50
(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)						
3.6.9.12. Lactose concentrate	5 x 1E3	1.0	-	50	100	50

Index, products group	Indicators	Permissible levels, mg/kg, not more than			Notes	
3.6.10. Other components	Microbiological indicators:					
Index, products group	QMAFAnM, CFU/g, not more than	Product weight (cm ³ , g), in which the indicator is not allowed	Mould,C FU/g, not more than	Yeast, CFU/g, not more than		
		Coliform bacteria (coliforms)	S. aureus	Pathogenic, including salmonella		
1	2	3	4	5	6	7
3.6.10.1. Vitamin premix	100	1.0	1.0	25	20	not allowed
3.6.10.2. Mineral premix	1 x 1E4	1.0	1.0	25	50	50
3.6.10.3. Isolated soya protein	5 x 1E3	0.1	1.0	25	-	-
3.6.10.4. Pectin	1 x 1E4	0.1	-	25	100	100

<*> 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)