



სსიპ სოფლის მეურნეობის
სახელმწიფო ლაბორატორია



		Butter (beta-glucuronidase positive E.coli - qualitative and quantitative)	Surface seeding-counting		ISO 4833-2:2013/2015	
			Depth seeding - counting	Coliform bacterias	ISO 4832:2009	Type 1
			Surface seeding-Detection	Salmonella spp.	ISO 6579-1:2017/2019	Type 1
			Disc-diffusion method	Antibiotic susceptibility profile of Salmonella	WHO protocol 2010 GFNLA002	Type 1
			Surface seeding-Detection	Shigella spp	ISO 21567:2004/2014	Type 1
			Surface seeding-Detection	Listeria monocytogenese	ISO 11290-1:2017/2021	Type 1
			Disc-diffusion method	Antibiotic susceptibility profile of Listeria monocytogenese	WHO protocol 2010 GFNLA002	Type 1
			Depth seeding - Detection,counting	Beta-glucuronidase positive E.coli	ISO 16649-2:2001/2015	Type 1
			Polymerase chain reaction (PCR)	Salmonella spp.	Dupont BAXQ7 SYSTEM Manual page 31-36	Type 1
		Polymerase chain reaction (PCR)	Listeria monocytogenese	Dupont BAXQ7 SYSTEM Manual page 43-46	Type 1	
25	1516	Vegetable and animal oils and fats (all types)	Gas chromatography method	Determination of fatty acids and their transisomers	ISO 12966-4:2015/2017	Type 1



			Gas chromatography method	Determination of unsaturated and saturated fatty acids	ISO 12966-4:2015/2017	Type 1
			Titration method	Acid number and Acidity	GOST 5476-80 ISO 660-2020	
			Kjeldahl method	Protein	ბ.ბ. 4237-86	Type 1
			Gravimetric method	Fat	GOST 32189-2013	Type 1
			Titration Method	Iodine number	GOST 5475-69 ISO 3961-2009	
			Gravimetric Method	Humidity	ISO 662-2016	
			Gravimetric Method	Ash	GOST 5474-66 GOST 6884-2008	
			Titration method	Determination of soap	GOST 5480-59	
			Titration method	Superoxide number	ISO 3960-2020	
			Computational method	Energy value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11	
26	1517		Gamma-beta spectrometry	Radionuclides:		Type 1



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Products of vegetable oil processing (margarines, cooking fats, mayonnaises)	Cesium-137	МВИ.МН 1181-2011	Type 1	
	Strontium-90		Type 1	
	Gas chromatography method	Determination of fatty acids and their transomers	ISO 12966-4:2015/2017	Type 1
	Gas chromatography method	Determination of unsaturated and saturated fatty acids	ISO 12966-4:2015/2017	Type 1
	Kjeldahl method	Protein	GOST 31762-2012	Type 1
	Extraction	Fat	GOST 31762-2012 GOST 32189-2013	Type 1
	Computational method	Hydrocarbon	M.M. 4237-86	Type 1
	Gravimetric method	Moisture and volatile substances	GOST 31762-2012 GOST 32189-2013	
	Titration Method	A mass fraction of table salt	GOST 31762-2012 GOST 32189-2013	
	Titration Method	Acidity	GOST 31762-2012 GOST 32189-2013	
Titration Method	Acid number	GOST 31762-2012 GOST 32189-2013		



			Titration Method	Superoxide number	GOST31762-2012; GOST 32189-2013		
			Titration Method	Iodine number	ISO 3961-2009		
			Gravimetric Method	Ash	ISO 6884-2008		
			Computational Method	Energy Value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11		
			Microbiological indicators:				
			Depth seeding - count	Coliform bacteria	ISO 4832:2009	Type 1	
			Depth seeding - Detection	Salmonella spp.	ISO 6579-1:2017/2019	Type 1	
			Disc-diffusion method	Antibiotic susceptibility profile of Salmonella	WHO protocol 2010 GFNLA002	Type 1	
			Surface seeding-Detection	Listeria monocytogenes	ISO 11290-1:2017/2021	Type 1	
			Disc-diffusion method	Antibiotic susceptibility profile of Listeria monocytogenes	WHO protocol 2010 GFNLA002	Type 1	
			Surface and deep seeding - detection, counting	Mold and yeast fungi	ISO 21527-1:2008/2014	Type 1	
			Polymerase chain reaction (PCR)	Salmonella spp.	Dupont BAXQ7 SYSTEM Manual page 31-36	Type 1	
			Polymerase chain reaction (PCR)	Listeria monocytogenes	Dupont BAXQ7 SYSTEM Manual page 43-46	Type 1	
27	1001, 1002,	Food grains, etc. Wheat, rye, triticale, oats, barley, millet,		Toxic elements:		Type 1	



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1003, 1004, 1005, 1006, 1007, 1008	buckwheat, rice, corn, sorghum	Atomic absorption spectrometry	Lead	Yen 13804:2003; Yen 13805:2003; manufacturer's methodical manual, Agilent, GFAAS	Type 1
			Cadmium		Type 1
		Atomic emission spectrometry	Copper	Yen 13804:2003; Yen 13805:2003; manufacturer's methodical manual, , Agilent, AES	Type 1
			Zinc		
		Radox Evidence Investor - screening method	Determination of aflatoxins B1, G1, ochratoxin A, zearalenone, ergo-alkaloids, fumonisin, paxillin, deoxynivalenol (DON), T2 toxin groups	Radox Evidence Investigator's Manual	Type 1
		High performance liquid chromatography	Determination of aflatoxin B1 and total aflatoxins - B1, B2, G1, G2	Yen 14123	Type 1
		Gamma-beta spectrometry	Radionuclides	МВИ.МН 1181-2011	Type 1
			Cesium-137		
Strontium-90					
Kjeldahl method	Protein	GOST 10846-91	Type 1		



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						Annex 2
			Extraction	Fat	GOST 29033-91 GOST 27670-88	Type 1
			Computational Method	Hydrocarbon	M.M 4237-86	Type 1
			Titration Method	Acidity	GOST 10844-74	
			Gravimetric method	Quantitative and qualitative determination of gluten	GOST 13586.1-2014	
			Gravimetric method	Dry gluten	GOST 13586.1-2014	
			Determination of alpha-amylase activity in water suspension of flour	Falling number	ISO 3093-2009	
			Titration method	Raw cellulose	GOST 31675-2012	
			Photometric method	Whiteness Determination of quality	GOST 26361-2013	
			Gravimetric method	Humidity	GOST 13586.5-2015	
			Gravimetric method	Ash	GOST 10847-2019	
			Computational Method	Energy Value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11	
28	0708, 0713	Legume seeds, etc. Peas, beans, chickpeas, chickpeas, mukhudo, soy; Grain, stove, flakes	Atomic absorption spectrometry	Toxic Elements	Yen 13804:2003; Yen 13805:2003;	Type 1
				Lead	manufacturer's methodical manual, Agilent, GFAAS	
				cadmium		



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			Atomic emission spectrometer	Copper	Yen 13804:2003; Yen 13805:2003;	Type 1
				Zinc	manufacturer's methodical manual, , Agilent, AES	
			Gamma-beta spectrometry	Radionuclides		Type 1
				Cesium-137	МВИ.МН 1181-2011	
				Strontium-90		
			Kjeldahl method	Protein	GOST 10846-91	Type 1
			Extraction	Fat	GOST 29033-91	Type 1
			Computational Method	Hydrocarbon	М.М 4237-86	Type 1
			Titration Method	Acidity	GOST 10844-74	
			Titration Method	Raw Cellulose	GOST 31675-2012	
			Gravimetric Method	Humidity	GOST 13586.5-2015	
			Gravimetric Method	Ash	GOST 10847-2019	
			Computational Method	Energy Value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11	
29	1101, 1102,	Wheat flour, etc. For pasta products, oats, tritium, corn,		Toxic elements:		Type 1



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1103, 1104	barley, (millet), rice, buckwheat, peas, sorghum, soybeans	Atomic absorption spectrometry	Lead	Yen 13804:2003; Yen 13805:2003;	Type 1
			lead	manufacturer's methodical manual, Agilent, GFAAS	Type 1
		Atomic emission spectrometry	Copper	Yen 13804:2003; Yen 13805:2003;	Type 1
			Zinc	manufacturer's methodical manual, Agilent, AES	Type 1
		Gamma-beta spectrometry	Radionuclides	МВИ.МН 1181-2011	Type 1
			Cesium-137		Type 1
			Strontium-90		Type 1
		Kjeldahl method	Protein	GOST 10846-91	Type 1
		Extraction	Fat	GOST 29033-91 GOST 27670-88	Type 1
		Computational Method	Hydrocarbon	M.M. 4237-86	Type 1
		Gravimetric Method	Humidity	GOST 9404-88	
		Titration Method	Acidity	GOST 27493-87	
		Determination of alpha- amylase activity in water suspension of flour	Falling number	ISO 3093-2009	



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						Annex 2
			Gravimetric method	Metal-magnetic impurities	GOST 20239-74	
			Gravimetric Method	Quantitative and qualitative determination of gluten	GOST 27839-2013	
			Gravimetric Method	Dry Cellulose	GOST 28797-2013 (ISO 6645-81)	
			Photometric Method	Whiteness Determination of quality	GOST 26361-2013	
			Gravimetric Method	Ash	GOST 27494-2016	
			Gravimetric Method	Thickness	GOST 27560-87	
			Computational Method	Energy Value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11	
30	1902	Pasta products	Atomic absorption spectrometry	Toxic Elements	Yen 13804:2003; Yen 13805:2003;	Type 1
				Lead	manufacturer's methodical manual, Agilent, GFAAS	Type 1
				Cadmium		Type 1
			Atomic emission spectrometry	Copper	Yen 13804:2003; Yen 13805:2003;	Type 1
				Zinc	manufacturer's methodical manual, Agilent, AES	Type 1
				Radionuclides		Type 1



Gamma-beta spectrometry	Cesium-137	МВИ.МН 1181-2011	
	Strontium-90		
Kjeldahl method	Protein	GOST 10846-91	Type 1
Extraction	Fat	GOST 29033-91	Type 1
Computational method	Hydrocarbon	M.M 4237-86	Type 1
Titration method	Acidity	GOST 14849-89	
Gravimetric Method	Humidity	GOST 14849-89	
Gravimetric Method	Ash	GOST 27494-2016	
Gravimetric method	Metal-magnetic impurities	GOST 14849-89	
Gravimetric method	Debris and deformed products	GOST 14849-89	
Computational Method	Energy Value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11	
Microbiological indicators:			
Seeding Method	Salmonella spp.	ISO 6579-1:2017/2019	Type 1
Disc-diffusion method	Antibiotic susceptibility profile of Salmonella	WHO protocol 2010 GFNLA002	Type 1
Polymerase chain reaction (PCR)	Salmonella spp.	Dupont BAXQ7 SYSTEM Manual page 31-36	Type 1



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31	1905	Bread, cookies and baked goods	Atomic absorption spectrometer	Toxic elements:	Yen 13804:2003; Yen 13805:2003; manufacturer's methodical manual,, Agilent, GFAAS	Type 1
				Lead		
				Cadmium		
			Atomic emission spectrometry	Copper	Yen 13804:2003; Yen 13805:2003; manufacturer's methodical manual, Agilent, AES	Type 1
				Zinc		Type 1
			Gas chromatography method	Determination of unsaturated and saturated fatty acids	ISO 12966-4:2015/2017	Type 1
			Gamma-beta spectrometry	Radionuclides	MBI.MH 1181-2011	Type 1
				Cesium-137		
				Strontium-90		
			Kjeldahl method	Protein	GOST 10846-91	Type 1
			Extraction	Fat	GOST 29033-91	Type 1
			Computational method	Hydrocarbon	M.M.4237-86	Type 1
			Titration method	Acidity	GOST 5670-96	
Gravimetric method	Humidity	GOST 21094-75				
Gravimetric method	Ash	GOST 27494-2016				



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				Annex 2				
			Gravimetric method	Porosity	GOST 5669-96			
			Permanganate method	Determination of sugars	GOST 5672 - 89			
			Titration method	Determination of table salt	GOST 5698-51			
			Computational Method	Energy Value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11			
32	1704,18 06	Sugar confectionery: chocolate, caramel, candies, toffee, halva, marmalade, marshmallow, chewing gum, etc.	Gamma-beta spectrometry	Radionuclides	МВИ.МН 1181-2011	Type 1		
				Cesium-137				
				Strontium-90				
			Gas chromatography method	Determination of fatty acids and their transisomers	ISO 12966-4:2015/2017	Type 1		
			Gas chromatography method	Determination of unsaturated and saturated fatty acids	ISO 12966-4:2015/2017	Type 1		
			Kjeldahl method	Protein	M.M. 4237-86	Type 1		
			Extraction Method	Fat	GOST 31902-2012	Type 1		
			Computational Method	Hydrocarbon	M.M. 4237-86	Type 1		
Titration method	acidity and alkalinity	GOST 5898-87						



		Gravimetric Method	Metal-Magnetic Impurities	GOST 5901-2014	
		Gravimetric Method	Humidity and dry matter	GOST 5900-2014	
		Gravimetric Method	Ash	GOST 5901-2014	
		Iodometric Method	Determination of Sugars	GOST 5903 - 89	
		Computational Method	Energy Value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11	
Microbiological indicators:					
		Depth Seeding-counting	Total number of aerobic microorganisms	ISO 4833 1:2013/2015	Type 1
		Surface Seeding-counting		ISO 4833 2:2013/2015	
		Depth Seeding-counting	Coliform Bacteria	ISO 4832:2009	Type 1
		Surface Seeding-Detection	Salmonella spp.	ISO 6579-1:2017/2019	Type 1
		Disc-diffusion method	Antibiotic susceptibility profile of Salmonella	WHO protocol 2010 GFNLA002	Type 1
		Surface Seeding-Detection	Shigella spp	ISO 21567:2004/2014	Type 1
		Depth and surface seeding-Detection,counting	Mold and yeast fungi	ISO 21527-2:2008/2012	Type 1



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			Polymerase chain reaction (PCR)	Salmonella spp.	Dupont BAXQ7 SYSTEM Manual page 31-36	Type 1
33	1801	Cocoa Powder	Atomic absorption spectrometry	Toxic elements	Yen 13804:2003; Yen 13805:2003;	Type 1
				Lead	manufacturer's methodical manual, Agilent, GFAAS	Type 1
				Cadmium		Type 1
			Atomic emission spectrometry	Copper	Yen 13804:2003; Yen 13805:2003;	Type 1
				Zinc	manufacturer's methodical manual, Agilent, AES	Type 1
			Gamma-beta spectrometry	Radionuclides	МВИ.МН 1181-2011	Type 1
				Cesium-137		
				Strontium-90		
			Microbiological Indicators			
			Depth seeding-counting Surface seeding-counting	Total number of aerobic microorganisms	ISO 4833-1:2013/2015 ISO 4833-2:2013/2015	Type 1
Surface seeding-counting	Coliform bacteria	ISO 4832:2009	Type 1			
Surface seeding-detection	Salmonella spp.	ISO 6579-1:2017/2019	Type 1			



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						Annex 2		
			Disc-diffusion method	Antibiotic susceptibility profile of Salmonella	WHO protocol 2010 GFNLA002	Type 1		
			Surface seeding-detection	Shigella spp	ISO 21567:2004/2014	Type 1		
			Surface and depth seeding-detection,counting	Mold and yeast fungi	ISO 21527-2:2008/2012	Type 1		
			Polymerase chain reaction (PCR)	Salmonella spp.	Dupont BAXQ7 SYSTEM Manual page 31-36	Type 1		
34	1106	Flour confectionery	Gamma, Beta spectrometry	Radionuclids	МВИ.МН 1181-2011	Type 1		
				Cesium-137		Type 1		
				Strontium-90		Type 1		
			Gas chromatography method	Determination of fatty acids and their transomers	ISO 12966-4:2015/2017	Type 1		
			Gas chromatography method	Determination of unsaturated and saturated fatty acids	ISO 12966-4:2015/2017	Type 1		
			Kjeldahl method	Protein	GOST 10846-91	Type 1		



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	Extraction Method	Fat	GOST 31902-2012 Type 1
	Computational Method	Hydrocarbon	M.M 4237-86 Type 1
	Titration Method	Acidity and alkalinity	GOST 5898-87
	Gravimetric method	Humidity	GOST 21094-75
	Gravimetric method	Ash	GOST 5901-2014
	Permanganate method	Determination of Sugars	GOST 5903-89
	Computational Method	Energy Value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11
	Microbiological indicators:		
	Depth seeding-counting	Total number of aerobic microorganisms	ISO 4833-1:2013/2015 Type 1
	Surface seeding-counting		ISO 4833-2:2013/2015
	Depth seeding-counting	Coliform bacteria	ISO 4832:2009 Type 1
	Surface seeding-detection, counting	Coagulase positive staphylococci (S.aureus)	ISO 6888-1:2021/2021 Type 1
	Disc-diffusion method	Antibiotic susceptibility profile of staphylococci	WHO protocol 2010 GFNLA002 Type 1
	Surface and Depth seeding-detection, counting	Mold and yeast fungi	ISO 21527-2:2008/2012 Type 1
	Surface seeding-detection,	Salmonella spp.	ISO 6579-1:2017/2019 Type 1



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						Annex 2
			Disc-diffusion method	Antibiotic susceptibility profile of Salmonella	WHO protocol 2010 GFNIA002	Type 1
			Surface seeding-detection,	Shigella spp	ISO 21567:2004/2014	Type 1
			Polymerase chain reaction (PCR)	Salmonella spp.	Dupont BAXQ7 SYSTEM Manual page 31-36	Type 1
			Polymerase chain reaction (PCR)	S.aureus	Dupont BAXQ7 SYSTEM Manual page 67-69	Type 1
35	0409 00 000 00	Honey	Atomic absorption spectrometry	Toxic elements:	Yen 13804:2003; Yen 13805:2003; manufacturer's manual, Agilent, GFAAS	Type 1
				Lead		
				Cadmium		
			GC/MS/MS Gas and Liquid Chromatography/Mass Spectrometry/Mass Spectrometry	Determination of organochlorine pesticides	Eyocis 2007.01 Yen 15662:2008	Type 1
				Determination of organophosphorus pesticides	Yen 15662:2008	Type 1
				Determination of amitraz and its metabolites	Yen 15662:2008	Type 1
				Determination of bromuconazole and clotrimazole	Yen 15662:2008	Type 1



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	GC/MS/MS Gas Chromatography/Mass Spectrometry/Mass Spectrometry	Polychlorinated biphenyls (PCBs)	Yen 15662:2008		Type 1	
		Dithiocarbamate pesticides	A validated method R-041-2019-G		Type 1	
	LC/MS/MS Liquid Chromatography/Mass Spectrometry/Mass Spectrometry	Antibiotics:				Type 1
		Chloramphenicol	A validated method R-024-2018-G		Type 1	
		Determination of tetracycline group substance	GOST 31694-2012		Type 1	
		Nitroimidazoles	A validated method G R-025-2018-		Type 1	
		Nitrofurans	A validated method G R-034-2019-		Type 1	
		Determination of macrolides and thiamulin	A validated method R-056-2020-G		Type 1	
		Cephalosporins	A validated method R-114-2022-G		Type 1	
	High performance liquid chromatography	Sugars: fructose, glucose, sucrose.	Method provided by the manufacturer (Agilent).			
Hydroxymethylfurfural		Codex Alimentarius Commission. Codex Standard for Honey. CX/S 00/3				



		Radox Evidence Investor - Screening Method	Chloramphenicol, nitroimidazoles, nitrofurans, Substances of groups of tetracycline streptomycin, tylosin thiamphenicol, quinols, ceftiofur. group of sulfonamides, trimethoprim, dapsone	Radox Evidence Investigator's Manual	Type 1
		CHARM II analyzer - screening method	Chloramphenicol Substances of the tetracycline group	CHARM II Analyzer manual	Type 1
		Gamma-beta spectrometry	Radionuclides: Cesium-137 Strontium-90	МВИ.МН 1181-2011	Type 1
	(color, smell, taste)	Organoleptic	Organoleptic indicators	GOST 19792-2017	
		Refractometric method	Determination of mass fraction of water	Refractometer "MISCO PA203" instruction	
		Refractometric method	Mass fraction of dry matter	Refractometer "MISCO PA203" instruction	
		Kjeldahl method	Protein	M.M 4237-86	Type 1



		Extraction	Fat	M.M 4237-86	Type 1
		Refractometric method	Specific weight	Refractometer "MISCO PA203" instruction	
		Spectrophotometric method	Diastasis number (in shade units)	GOST 34232-2017	
		Potentiometric method	pH	GOST 32169-2013	
		Potentiometric method	electrical conductivity	GOST31770-2012	
		Qualitative reaction	Hydroxymethylfurfural	GOST19792-2001	
		Visual inspection	Mechanical impurities	GOST 19792-2017	
		Titration method	Total acidity	GOST 19792-2017	
		Complexometric method	Free acidity	GOST 32169-2013	
		Microscopic method	Pollen analysis	GOST 19792-2001	
		Gravimetric method	Ash	GOST 32483-2013	
		Precipitation method	Determination of fallen honey	GOST32168 - 2013	
		Spectrophotometric method	Determination of proline	Harmonised methods of the International Honey Commission	
		Computational Method	Energy Value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11	
36			Toxic elements:		Type 1



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0701, 0702, 0703, 0704, 0705, 0706, 0707, 0709	Vegetables, green and leafy vegetables, fresh, freshly frozen and their processing products	Atomic absorption spectrometry	Lead	Yen 13804:2003; Yen 13805:2003; manufacturer's methodical manual, Agilent, GFAAS Yen 13804:2003; Yen 13805:2003;		
			Cadmium			
		Atomic emission spectrometry	Copper	Manufacturer's methodical manual, Agilent, AES		Type 1
			Zinc			Type 1
		GC/MS/MS gas and LC/MS/MS liquid chromatography/mass spectrometry	Determination of organochlorine pesticides	Eyoeis 2007.01 Yen 15662:2008		Type 1
			Determination of organophosphorus pesticides			Type 1
		GC/MS/MS gas chromatography/mass spectrometry/ mass spectrometry	Dithiocarbamate pesticides	A validated Method R-041-2019-G		Type 1
		CHARM II analyzer - screening method	Pesticides (organophosphorus/carbamates)	CHARM II Analyzer manual		Type 1
			Radionuclides:			Type 11



Gamma-beta spectrometry	Cesium-137	МВИ.МН 1181-2011	
	Strontium-90		
Ionometric method	Nitrate	Instruction of GOST 29270-95 ionometer Eckspert-001	Type 1
Kjeldahl method	Protein	M.M 4237-86	Type 1
Extraction	Fat	M.M 4237-86	Type 1
Gravimetric method	Moisture and dry matter	GOST 28.561-90 GOST 33977-2016	
Titration method	Acidity	ISO 750-2013 ISO 34127-2017	
Centrifugation	Sediment	GOST 8756.9-2016	
Titration method	Determination of volatile acids	GOST 5555.1-2014	
Titration method	A massive portion of table salt	GOST 26186-84	
Computational method	Determination of energy value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11	
Microbiological indicators:			



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			Depth seeding-counting	Total number of aerobic microorganisms	ISO 4833-1:2013/2015	Type 1
			Surface seeding-counting		ISO 4833-2:2013/2015	
			Depth seeding-counting	Coliform bacteria	ISO 4832:2009	Type 1
			Surface seeding-detection	Salmonella spp.	ISO 6579-1:2017/2019	Type 1
			Disc-diffusion method	Antibiotic susceptibility profile of Salmonella s	WHO protocol 2010 GFNLA002	Type 1
			Surface seeding-detection	Shigella spp	ISO 21567:2004/2014	Type 1
			Sowing method	Mold and yeast fungi	ISO 21527-1:2008/2014	Type 1
			Surface seeding-detection	Listeria Monocytogenes	ISO 11290-1:2017/2021	Type 1
			Disc-diffusion method	Antibiotic susceptibility profile of Listeria Monocytogenes	WHO protocol 2010 GFNLA002	Type 1
			Polymerase chain reaction (PCR)	Salmonella spp.	Dupont BAXQ7 SYSTEM Manual page 31-36	Type 1
			Polymerase chain reaction (PCR)	Listeria Monocytogenes	Dupont BAXQ7 SYSTEM Manual page 43-46	Type 1
37	0803, 0804, 0806, 0808, 0809, 0810	Fruits, berries, grapes quickly frozen and their processing products	Atomic absorption spectrometry	Toxic elements:	Yen 13804:2003;	Type 1
				Lead	Yen 13805:2003;	
				Cadmium	Manufacturer's method manual, Agilent, GFAAS	



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		Atomic emission spectrometry	Copper	Yen 13804:2003; Yen 13805:2003;	Annex 2 Type 1 Type 1
			Zinc	Manufacturer's method manual, Agilent, AES	
		GC/MS/MS gas chromatography/mass spectrometry/mass spectrometry, and LC/MS/MS liquid chromatography/mass spectrometry	Determination of organochlorine pesticides	Eyoeis 2007.01 Yen 15662:2008	Type 1 Type 1
			Determination of organophosphorus pesticides		
		GC/MS/MS gas chromatography/mass spectrometry/ mass spectrometry	Dithiocarbamate pesticides	A validated Method R-041-2019-G	Type 1
		CHARM II analyzer - screening method	Pesticides (organophosphorus/carbamates)	CHARM II Analyzer manual	Type 1
		Gamma-beta spectrometry	Radionuclides:	МВИ.МН 1181-2011	Type 1
			Cesium-137		Type 1
			Strontium-90		Type 1
		Ionometric method	Nitrate	GOST 29270-95 for the engine Eckspert-001	Type 1
		Gravimetric method	Moisture and dry matter	GOST 28561-90	Type 1



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Annex 2

(Non-alcoholic beverages, unpasteurized and preservative-free with a shelf life of less than 30 days; Non-alcoholic beverages with a shelf life of more than 30 days on sugar; Salmonella) Cut fruits and vegetables (beta-glucuronidase positive E.coli - qualitative and quantitative, Salmonella)			GOST 33977-2016		
	Kjeldahl method	Protein	M.M 4237-86	Type 1	
	Extraction	Fat	M.M 4237-86	Type 1	
	Titration method	Acidity	ISO 750-2013 GOST 34127-2017	Type 1	
	Centrifugation	Sediment	GOST 8756.9-2016	Type 1	
	Titration method	Determination of volatile acids	GOST 25555.1-2014	Type 1	
	Computational method	Determination of energy value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11	Type 1	
	Microbiological indicators:				
	Depth seeding-counting	Total number of aerobic microorganisms	ISO 4833 1:2013/2015	Type 1	
	Surface seeding-counting	Depth	ISO 4833 2:2013/2015		
Depth seeding-counting	Coliform bacteria	ISO 4832:2009	Type 1		
Depth seeding-detection, counting	Beta-glucuronidase positive E.coli	ISO 16649-2:2001/2015	Type 1		
Surface and depth seeding - detection, counting	Mold and yeast fungi	ISO 21527-1:2008/2014	Type 1		



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						Annex 2
			Surface seeding-counting	Salmonella spp.	ISO 6579-1:2017/2019	Type 1
			Disc-diffusion method	Antibiotic susceptibility profile of Salmonella s	WHO protocol 2010 GFNLA002	Type 1
			Surface seeding-detection	Shigella spp	ISO 21567:2004/2014	Type 1
			Polymerase chain reaction (PCR)	Salmonella spp.	Dupont BAXQ7 SYSTEM Manual page 31-36	Type 1
38	0712, 0813	Dried vegetables, potatoes, fruits, berries, mushrooms	Atomic absorption spectrometry	Toxic elements:	Yen 13804:2003;	Type 1
				Lead	Yen 13805:2003;	Type 1
				Cadmium	Manufacturer's method manual, Agilent, GFAAS	Type 1
			Atomic emission spectrometry	Copper	Yen 13804:2003;	Type 1
				Zinc	Yen 13805:2003;	Type 1
			GC/MS/MS Gas Chromatography/Mass Spectrometry and LC/MS/MS Liquid Chromatography/Mass Spectrometry	Determination of organochlorine pesticides	Eyoeis 2007.01 Yen 15662:2008	Type 1
				Determination of organophosphorus pesticides		Type 1
GC/MS/MS gas chromatography/mass	Dithiocarbamate pesticides	A validated Method R-041-2019-G	Type 1			



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Annex 2

		spectrometry/ mass spectrometry			
		CHARM II analyzer - screening method	Pesticides (organophosphorus/carbamates)	CHARM II Analyzer manual	Type 1
		Gamma-beta spectrometry	Radionuclides	МВИ.МН 1181-2011	Type 1
			Cesium-137		
			Strontium-90		
			Microbiological indicators:		
		Depth seeding-counting	Total number of aerobic microorganisms Depth	ISO 4833 1:2013/2015	Type 1
		Surface seeding-counting		ISO 4833 2:2013/2015	
		Depth seeding-counting	Coliform bacteria	ISO 4832:2009	Type 1
		Surface seeding-detection	Salmonella spp.	ISO 6579-1:2017/2019	Type 1
		Disc-diffusion method	Antibiotic susceptibility profile of Salmonella s	WHO protocol 2010 GFNLA002	Type 1
		Surface and Depth seeding-detection,counting	Mold fungi	ISO 21527-2:2008/2012	Type 1
		Polymerase chain reaction (PCR)	Salmonella spp.	Dupont BAXQ7 SYSTEM Manual page 31-36	Type 1



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Annex 2

			Surface seeding - detection, counting	Presumptive B.cereus	ISO 7932:2004				
39	0904, 0907, 0908, 0909, 0910	spices and seasonings	Atomic absorption spectrometry	Toxic elements:	Yen 13804:2003;	Type 1			
				Lead	Yen 13805:2003;	Type 1			
				Cadmium	Manufacturer's method manual, Agilent, GFAAS	Type 1			
			Gamma-beta spectrometry	Radionuclides:	МВИ.МН 1181-2011	Type 1			
				Cesium-137					
				Strontium-90					
			Microbiological indicators:						
			Depth seeding-counting	Total number of aerobic microorganisms Depth	ISO 4833 1:2013/2015	Type 1			
			Surface seeding-counting		ISO 4833 2:2013/2015				
			Depth seeding-counting	Coliform bacteria	ISO 4832:2009	Type 1			
Surface seeding-detection	Salmonella spp.	ISO 6579-1:2017/2019	Type 1						
Disc-diffusion method	Antibiotic susceptibility profile of Salmonella s	WHO protocol 2010 GFNLA002	Type 1						
Surface and deep seeding - detection, counting	Mold fungi	ISO 21527-2:2008/2012	Type 1						
Polymerase chain reaction (PCR)	Salmonella spp.	Dupont BAXQ7 SYSTEM Manual page 31-36	Type 1						



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Annex 2

		(made to use)	Depth seeding - detection,counting	Sulfite-reducing clostridium	ISO 15213:2003/2013	Type 1
			Kjeldahl method	Protein	GOST 10846-91	Type 1
			Extraction	Fat	GOST 29033-91	Type 1
			Computational	Hydrocarbon	M.M 4237-86	Type 1
			Titration method	Acidity	GOST 10844-74	
			Gravimetric Method	Humidity	GOST 13586.5-2015	
			Gravimetric Method	Ash	GOST 10847-2019	
			Computational Method	Energy Value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11	
40	0801, 0802	Natural nuts (almonds, walnuts, peanuts, hazelnuts, coconut)	Atomic-absorption and atomic-emission spectrometry	Toxic Elements	Yen 13804:2003; Yen 13805:2003; Manufacturer's method manual, Agilent, GFAAS	Type 1
				Lead		
				Cadmium		
			Atomic emission spectrometry	Copper	Yen 13804:2003; Yen 13805:2003; Manufacturer's method manual, Agilent,AES	Type 1
				Zinc		Type 1



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				Annex 2
	liquid chromatography method	Determination of aflatoxins B1 and total B1+B2+G1+G2	Yen 14123	Type 1
	Gamma-beta spectrometry	Radionuclides:	МВИ.МН 1181-2011	Type 1
		Cesium-137		
		Strontium-90		
	Kjeldahl method	Protein	ISO 16634.1-2011	Type 1
	Extraction	Fat	GOST 10857-64	Type 1
	Computational Method	Hydrocarbon	M.M 4237-86	Type 1
	Gravimetric Method	Humidity	GOST 16835-81; GOST 10856-96	Type 1
	Titration method	Acidity	ISO 729-1988	
	Titration method	Acid number	GOST 10858-77	
	Gravimetric Method	Ash	GOST 10847-2019	
	Titration method	Superoxide number	GOST 26593-85	
	Computational Method	Energy value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11	
Microbiological indicators:				
	Depth seeding-counting	Coliform bacteria	ISO 4832:2009	Type 1



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Annex 2

			Surface seeding-detection	Salmonella spp.	ISO 6579-1:2017/2019	Type 1
			Disc-diffusion method	Antibiotic susceptibility profile of Salmonella s	WHO protocol 2010 GFNLA002	Type 1
			Surface and depth seeding - detection, counting	Mold fungi	ISO 21527-2:2008/2012	Type 1
			Polymerase chain reaction (PCR)	Salmonella spp.	Dupont BAXQ7 SYSTEM Manual page 31-36	Type 1
41	0902	Tea	Atomic-absorption and atomic-emission spectrometry	Toxic Elements:	Yen 13804:2003;	Type 1
				Lead	Yen 13805:2003;	Type 1
				Cadmium	Manufacturer's method manual, Agilent, GFAAS /AES	Type 1
			Atomic emission spectrometry	Copper	Yen 13804:2003; Yen 13805:2003; Manufacturer's method manual, Agilent, AES	Type 1
			Gamma-beta spectrometry	Radionuclides:	МВИ.МН 1181-2011	Type 1
				Cesium-137		
				Strontium-90		
Microbiological indicators:						



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Annex 2

			Surface and depth seeding - detection, counting	Mold fungi	ISO 21527-2:2008/2012	Type 1
			Gravimetric method	Dry matter	ISO 1572-2013	
			Kjeldahl method	Protein	M.M 4237-86	Type 1
			Extraction	Fat	M.M . 4237-86	Type 1
			Computational Method	Hydrocarbon	M.M 4237-86	Type 1
			Gravimetric method	Water-soluble extractives	ISO 9768-1994	
			visual inspection	Metal-magnetic impurities	GOST 1936-85 ISO 9768-1994	
			Gravimetric method	Mass fraction of leaf and coarse material	GOST 1936-85	Type 1
			Titration Method	Raw Cellulose	GOST 28553-90 (ISO 5498-81)	
			Gravimetric method	Ash	GOST ISO 1576-2013	
			Computational Method	Energy Value	Order #301 from sanitary rules and norms 2.3.1.000-00. Appendix #5, XII, paragraphs 10-11	
42	0901	Coffee	Atomic absorption spectrometry	Toxic elements:	Yen 13804:2003;	Type 1
				Lead	Yen 13805:2003;	Type 1