

## SCOPE OF ACCREDITATION OF TESTING LABORATORY (CENTER)

Laboratory Center for food and feed testing of V.M. Gorbатов Federal research center for food systems of Russian Academy of Sciences

name of the testing laboratory (center)

Russian Federation, 109316, Moscow, Talalikhina st., 26

adress

№ п/п	Документы, устанавливающие правила и методы исследований (испытаний), измерений	Наименование объекта	Код ОКПД 2	Код ТН ВЭД ЕАЭС	Определяемая характеристика (показатель)	Диапазон определения
	2	3	4	5	6	7
1.	GOST 32771-2014	Juice products	10.32.11-10.32.19	2009	Mass concentration or mass fraction of the sum of free forms and salts of organic acids: malic, citric, lactic, succinic / malic acid, citric acid, lactic acid, succinic acid	Apple acid (0.10-25.00)g/dm <sup>3</sup> lemon acid (0.10-50.00)g/dm <sup>3</sup> lactic acid (0.05-1.00)g/dm <sup>3</sup> succinic acid (0.05-1.00)g/dm <sup>3</sup>
2.	GOST 31638-2012 (clause 6.7; 6.8; 6.9)	Food additives	10.89.19.150	1702 2106	Mass fraction of total phosphorus pentoxide	(0,1-60,0) %
					pH	(1,0-14,0) pH points
3.	GOST 32797-2014	Food products, food raw materials.	10.1-10.8 10.89.19	1601-1605 1701-1704 1801-1806 1901-1905 2001-2009 2301-2309	Quinolones (enrofloxacin, ofloxacin, lomefloxacin, norfloxacin, flumequin, marbofloxacin, pipemidic acid, difloxacin, sarafloxacin)	(1,0 – 2000,0) µg/kg
4.	M.241.0224/RA.RU. 311866/2019	Method for measuring the mass fraction of monosodium glutamate	10.11.11-10.11.15 10.11.20	0201-0210 1601-1602	Mass fraction of free, non-protein-bound monosodium glutamate / mass fraction of monosodium	(0,1 - 10,0) %.

		in meat products by high-performance liquid chromatography with pre-column derivatization.	10.11.31 10.11.39 10.13.11- 10.13.16		glutamate	
5.	GOST 34533-2019	Food products, food raw materials. Method for determining the residual content of sulfonamides, nitroimidazoles, penicillins, amphenicols using high performance liquid chromatography with a mass spectrometric detector	10.1-10.8 10.89.19	1601-1605 1701-1704 1801-1806 1901-1905 2001-2009 2301-2309	Sulfonamides, nitroimidazoles, penicillins, amphenicols	chloramphenicol (0.2 – 1000.0) µg/kg other compounds (1.0 - 1000.0) µg/kg.
6.	GOST 33412-2015	Raw materials and food products. Determination of the mass fraction of mercury by flameless atomic absorption	10.1-10.8 10.89.19	1601-1605 1701-1704 1801-1806 1901-1905 2001-2009 2301-2309	Mass fraction of mercury / Mercury	(0,002 - 5,000) mg/kg
7.	GOST 33413-2015	Raw materials and food products. Determination of the mass fraction of tin by atomic absorption method	10.1-10.8 10.89.19	1601-1605 1701-1704 1801-1806 1901-1905 2001-2009 2301-2309	Mass fraction of tin / Tin	(25,0-1000,0) mg/kg
8.	GOST 34427-2018	Food products and animal feed. Determination of mercury by atomic absorption spectrometry based on the Zeeman effect	10.1-10.8 10.89.19	1601-1605 1701-1704 1801-1806 1901-1905 2001-2009 2301-2309	Mass fraction of mercury / Mercury	(0,0025-5,0) mg/kg

9.	GOST 31789	Fish and marine invertebrates	10.20.1-10.20.4	0301-0307 1604-1605	Mass concentration of histamine / Histamine	(5 - 50) mg/kg
10.	MUK 4.1.3547-19	Edible vegetable oils and animal fats	10.41.1-10.41.6	1501 -1518	3 - monochloropropanediol / 3-MCPD, glycidol	(0,3-30) mg/kg
11.	MUK 4.1.3343-16	Food products (sunflower seeds and oil, rapeseed seeds and oil, pea seeds)	10.41.1-10.41.6 01.13 01.20 10.39.1 10.39.11 10.39.12 10.39.13 10.39.21	1501 -1518 0710-0714 0802-0806 0811-0813 2001-2008	ammonium glufosinate	(0,01—10) mg/kg
12.	GOST 32689.3-2014	Food products of plant origin	01.13 01.20 10.39.1 10.39.11 10.39.12 10.39.13 10.39.21	0710-0714 0802-0806 0811-0813 2001-2008	Bifenthrin, cis-chlordane, trans-chlordane, dimethoate, fenthion, permethrin, procymidone	(0,01—100,0) mg/kg
13.	MUK 4.1.2350-08	Food products of plant origin (pea grain, rapeseed and sunflower seeds, vegetable oils)	10.41.1-10.41.6 01.13 01.20 10.39.1 10.39.11 10.39.12 10.39.13 10.39.21	1501 -1518 0710-0714 0802-0806 0811-0813 2001-2008	Diquat dibromide	(0,05-0,5) mg/kg
14.	MUK 4.1.3413-17	Food products of plant origin (tomato fruits and tomato juice, grape berries and grape juice, sunflower, rapeseed and soybean	01.13 01.20 10.39.1 10.39.11 10.39.12 10.39.13	0710-0714 0802-0806 0811-0813 2001-2008	Penthiopyrad	(0,01-0,5) mg/kg

		seeds and oil)	10.39.21			
15.	GOST ISO 712	Grain and grain products	01.11.1- 01.11.5 10.61.1- 10.61.4	1001 -1108 1101-1109	Moisture	(0,1-30,0) %
16.	GOST 33332-2015	Fruit and vegetable processing products	01.13 01.20 10.39.1 10.39.11 10.39.12 10.39.13 10.39.21	0710-0714 0802-0806 0811-0813 2001-2008	Mass fraction of sorbic and benzoic acid / Sorbic acid and its salts, benzoic acid and its salts	(10 – 1500) mg/kg
17.	GOST EN 12856-2015	food products	03.11.20 03.12.20 03.21.20 10.11.11 10.12.10 10.13.1 10.20.1 10.31.1 10.32.1 10.39.1 10.41 10.42.10 10.51 10.52 10.61 10.62 10.71.1 10.72.1 10.73.11 10.81.1 10.82.1 10.83.1	1601-1605 1701-1704 1801-1806 1901-1905 2001-2009 2301-2309	Sorbic and benzoic acid / Sorbic acid and its salts, benzoic acid and its salts	(10 – 1500) mg/kg

			10.84 10.85.1 10.86.10 11.07.1			
18.	GOST R 54760-2011	Compound dairy products and milk-based baby foods	10.51.56- 10.51.56 10.86.10	0402 0406	Mass concentration of sucrose, lactose, total sugar / sucrose, lactose, total sugar	(0,1 – 50,0) %
19.	GOST 31669-2012	Juice products: fruit and vegetable juices, nectars, concentrated juices, purees and concentrated purees, fruit drinks and concentrated fruit drinks, juice drinks, enriched fruit and vegetable juice products and for baby food	10.32.1	2009	Mass concentration of sucrose, glucose, fructose / mass fraction of sucrose, glucose, fructose	(1,0 - 650,0) g/dm <sup>3</sup>
						(1 – 650) ‰
20.	GOST 32167-2013, clause7	Honey	01.49.21	0409	Mass fraction of sucrose, glucose, fructose / sucrose, glucose, fructose	fructose (30.00 - 43.00)% glucose (22.00 - 40.00)% sucrose (0.10 - 8.00)%
21.	GOST 7636 clause11.6	Fish, marine mammals, marine invertebrates and their derivatives	10.20.1- 10.20.4	0301-0307 1604-1605	Mass fraction of ash / ash/ash	(0,01 – 20) %
22.	GOST 31469 clause14	Food products for processing poultry eggs	10.89.12	0407-0408	Determination of concentration and hydrogen ions (pH)	(4,5 - 9,5) pH points
23.	GOST 31688 clause7.5; 7.10	Condensed milk and cream with sugar	10.51.1- 10.51.5	0401 -0406	Mass fraction of dry milk residue / Dry milk residue	(0,1 – 50,0) %
					Mass fraction of protein in dry skimmed milk residue	(0,1 – 55,0) %

24.	GOST 31723	Confectionery	10.82.1- 10.82.2	1905	Dry defatted cocoa residue in chocolate products	(0,1 - 50) %
25.	MI № 241.0062/RA.RU.3118 66/2021	Meat products	10.11.11- 10.11.15 10.11.20 10.11.31 10.11.39 10.13.11- 10.13.16	0201-0210 1601-1602	Mass fraction of Ethyl-Na-lauroyl-L-arginate (LAE)	(5 - 1000) mg/kg
26.	GOST R 52501	Water for laboratory analysis  Specifications	36.00.12.0 00	-	1. Specific electrical conductivity at 25°C, mS/m 2. Mass concentration of substances reducing KMnO4(O), mg/dm <sup>3</sup> 3. Optical density at a wavelength of 254 nm, in a cuvette with a light-absorbing layer thickness of 1 cm 4. Mass fraction of the residue after evaporation at a temperature of 110°C 5. Mass concentration of silicon oxide (IV) (SiO4), mg/dm <sup>3</sup>	(3×10 <sup>-3</sup> -1) μS/cm  Compliant/Non-complaint  (0,0003-0,05) optical density units  (0,01-2)mg/kg  Compliant/Non-complaint
27.	MU 1-40/3805	Catering products	10.1-10.8 10.89.19	1601-1605 1701-1704 1801-1806 1901-1905 2001-2009 2301-2309	The nutritional value	(40,0-6300,0) kJ
28.	GOST 31339 (clause 5.1, 5.2.2, 5.2.2.1-5.2.2.3, 5.3.2, 5.3.2.2.- 5.3.2.6, 5.3.5)	Fish, non-fish species and products made from them	10.20.1- 10.20.4	0301-0307 1604-1605	Sample selection	-

29.	MI №241.0067/RA.RU.31 1866/2021	Meat and meat products	10.11.11- 10.11.15 10.11.20 10.11.31 10.11.39 10.13.11- 10.13.16	0201-0210 1601-1602	Mass fraction of chicken meat ingredient	Presence/absence  more than 0.1% and less than 10%  Quantitatively 0.1% to 10%
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