

ACCREDITATION SCOPE

TESTING LABORATORY (GOST ISO/IEC 17025-2019)

Testing laboratory of Joint Stock Company «BUREAU VERITAS RUS» (Branch «Region Yug» JSC «BUREAU VERITAS RUS»)

Name of the testing laboratory

RA.RU.21HC88

Number in the Register of Accredited Persons

1. 344002, Rostov-on-Don, 1st Lugovaya, 19, bulding «B», floor 2, room No. 1a, 1b, 1v, 1g, 1d, 1e, 1zh, 1z, 1o, 1p

address of the place of economic activity

For compliance with the requirements

GOST ISO/IEC 17025-2019 General requirements for the competence of testing and calibration laboratories. GOST ISO/IEC 17025-2019
the name and details of the interstate or national standard

344002, Rostov-on-Don, 1st Lugovaya, 19, bulding «B», floor 2, room No. 1a, 1b, 1v, 1g, 1d, 1e, 1zh, 1z, 1o, 1p

address of the place of economic activity

Item No.	Documents establishing the rules and methods of research (testing), measurements	Name of object	OKPD2 Code	EAEU CN of FEA Code	Defined characteristic (Indicator)	Definition range
1. Testing (research), product measurements						
1.1	GOST 10967; Organoleptic (sensory) testing; organoleptic (sensory)	Wheat; Maize; Dried beans; Dried chickpeas; Dried lentils; Dried peas; Sorghum, millet and other cereals; Barley, rye and oats	01.11.1; 01.11.2; 01.11.71; 01.11.73; 01.11.74; 01.11.75; 01.11.4; 01.11.3	1001; 100510; 1005900000; 0713310000; 0713320000; 071333; 071334000; 071335000; 071339000; 0713400000; 0708100000; 1007; 1008; 1003; 1004	Odour Colour	- Normal/Abnormal - Normal/Abnormal
1.2	GOST 13586.5; Chemical testing, physicochemical testing; Gravimetric	Wheat; Maize; Barley, rye and oats; Sorghum, millet and other cereals	01.11.1; 01.11.2; 01.11.3; 01.11.4	1001; 100510; 1005900000; 1003; 1004; 1007; 1008	Moisture	Estimate: - 5,0 to 45,0 (%)
1.3	GOST ISO 712; Chemical testing, physicochemical testing; Gravimetric	Wheat; Maize; Sorghum, millet and other cereals; Barley, rye and oats	01.11.1; 01.11.2; 01.11.4; 01.11.3	1001; 100510; 1005900000; 1007; 1008;	Moisture content	Estimate: - 8,0 to 18,0 (%)

				1003; 1004		
1.4	ISO 712; Chemical testing, physicochemical testing; Gravimetric	Cereal crops (except rice), grain legumes, oilseeds	01.11	1001; 1003; 1004; 1005; 1007; 0708100000; 0713310000; 0713320000; 071333; 071334000; 071335000; 071339000; 0713400000	Moisture content	Estimate: - 8,0 to 18,0 (%)
1.5	GOST 29305, ISO 6540; Chemical testing, physicochemical testing; Gravimetric	Maize	01.11.2	100510; 1005900000	Moisture	Estimate: - 5,0 to 45,0 (%)
1.6	ISO 6540-2021 Maize. Determination of moisture content (on milled grains and on whole grains); Chemical testing, physicochemical testing; Gravimetric	Maize	01.11.2	100510; 1005900000	Moisture	Estimate: - 5,0 to 45,0 (%)
1.7	GOST ISO 24557; Chemical testing, physicochemical testing; Gravimetric	Dried beans; Dried peas; Dried lentils; Dried chickpeas	01.11.71; 01.11.75; 01.11.74; 01.11.73	0713310000; 0713320000; 071333; 071334000; 071335000; 071339000; 0708100000; 0713400000	Moisture content	Estimate: - 9,0 to 16,0 (%)
1.8	ISO 24557; Chemical testing, physicochemical testing; Gravimetric	Dried beans; Dried chickpeas; Dried peas; Dried lentils	01.11.71; 01.11.73; 01.11.75; 01.11.74	0713310000; 0713320000; 071333; 071334000; 071335000; 071339000; 0708100000; 0713400000	Moisture content	Estimate: - or 9,0 to 16,0 (%)
1.9	GOST 13586.4;	Cereal crops (except rice), grain legumes, oilseeds	01.11	1001;	Pest infestation	Estimate:

	Chemical testing, physicochemical testing; visual			1003; 1004; 1005; 1007; 0708100000; 0713310000; 0713320000; 071333; 071334000; 071335000; 071339000; 0713400000	Infestation of grain reserves with pests (insects, mites)	- I to III degree (weevils/mites) - I to III
1.10	GOST 30483 (p 3.1.6; p 3.1 1); Chemical testing, physicochemical testing; Gravimetric	Dried beans; Dried lentils; Dried peas; Dried chickpeas	01.11.71; 01.11.74; 01.11.75; 01.11.73	0713310000; 0713320000; 071333; 071334000; 071335000; 071339000; 0713400000; 0708100000	Content of grains damaged by bruchidae and totrix moths	Estimate: - 0 to 20,0 (%)
1.11	ISO 605:1991 p.8.1 Pulses. Determination of impurities, size, foreign odours, insects, and species and variety; Chemical testing, physicochemical testing; visual	Dried beans; Dried chickpeas; Dried lentils; Dried peas	01.11.71; 01.11.73; 01.11.74; 01.11.75	0713310000; 071332000; 071333; 071334000; 071335000; 071339000; 0713400000; 0708100000	Presence of insect infestation (insects and mites) in an obvious form	Estimate: - 0 to 20 (%)
1.12	ISO 605:1991 Pulses. Determination of impurities, size, foreign odours, insects, and species and variety, p. 4, p. 5); Chemical testing, physicochemical testing; Gravimetric	Dried beans; Dried chickpeas; Dried lentils; Dried peas	01.11.71; 01.11.73; 01.11.74; 01.11.75	0713310000; 0713320000; 071333; 071334000; 071335000; 071339000; 0713400000; 0708100000	Impurities	Estimate: - 0 to 50,0 (%)
1.13	GOST 10840; Chemical testing, physicochemical testing; Gravimetric	Cereal crops (except rice), grain legumes, oilseeds	01.11	1001; 1003; 1004; 1005; 1007; 0708100000; 0713310000;	Nature	Estimate: - 531 to 836 (g/l)

				0713320000; 071333; 071334000; 071335000; 071339000; 0713400000		
1.14	GOST ISO 7971-3; Chemical testing, physicochemical testing; Gravimetric	Barley, rye and oats; Wheat; Maize; Triticale (wheat-rye hybrid); Sorghum, millet and other cereals	01.11.3; 01.11.1; 01.11.2; 01.11.49.120 ; 01.11.4	1003; 1004; 1001; 100510; 1005900000; 1008600000; 1007; 1008	Bulk density	Estimate: - 67,5 to 84,5 (kg/hl)
1.15	ISO 7971-3; Chemical testing, physicochemical testing; Gravimetric	Wheat; Barley, rye and oats; Triticale (wheat-rye hybrid); Maize; Sorghum, millet and other cereals	01.11.1; 01.11.3; 01.11.49.120 ; 01.11.2; 01.11.4	1001; 1003; 1004; 1008600000; 100510; 1005900000; 1007; 1008	Bulk density	Estimate: - 67,5 to 84,5 (kg/hl)
1.16	GOST R 54478, p.8; p.9.1; p.9.2; p.9.4; p.10; p.12; Chemical testing, physicochemical testing; Gravimetric	Wheat; Durum wheat	01.11.1; 01.11.11	1001; 1001110000; 1001190000	Quantity of gluten Quality of gluten	Estimate: - 0 to 150,7 (un. GDI) Estimate: - no washed to 40 (%)
1.17	GOST 31699; Chemical testing, physicochemical testing; Gravimetric	Wheat	01.11.1	1001	Gluten content	Estimate: - 15,0 to 45,0 (%)
1.18	ISO 21415-1; Chemical testing, physicochemical testing; Gravimetric	Wheat	01.11.1	1001	Gluten content	Estimate: - 15,0 to 45,0 (%)
1.19	ISO 21415-2; Chemical testing, physicochemical testing; Gravimetric	Wheat; Durum wheat	01.11.1; 01.11.11	1001; 1001110000; 1001190000	Gluten index Wet gluten content	Estimate: - 43 to 98 (%) Estimate: -

						17,6 to 34,7 (%)
1.20	GOST 10987, p.3; p.4.2; p.4.4; Calculation method	Wheat	01.11.1	1001	Vitreousness	Estimate: - 10 to 90 (%)
1.21	GOST 31646; Chemical testing, physicochemical testing; visual	Wheat	01.11.1	1001	Scabb kernels content	Estimate: - 0 to 5,0 (%)
1.22	GOST 30483; Chemical testing, physicochemical testing; Gravimetric	Barley, rye and oats; Wheat; Sorghum, millet and other cereals; Dried peas; Dried chickpeas	01.11.3; 01.11.1; 01.11.4; 01.11.75; 01.11.73	1003; 1004; 1001; 1007; 1008; 0708100000	General and fractional content of extraneous matter General and fractional content of damaged grains	Estimate: - 0 to more 15,0 (%) Estimate: - 0 to more 15,0 (%)
1.23	ISO 7970:2021 Wheat. Specification, p. 3.1; Annex C; Chemical testing, physicochemical testing; Gravimetric	Wheat	01.11.1	1001	Impurities	Estimate: - 0 to 15,0 (%)
1.24	ISO 11051, p.p. 3.1-3.7; Annex A and B; Chemical testing, physicochemical testing; Gravimetric	Durum wheat	01.11.11	1001110000; 1001190000	Impurities	Estimate: - 0 to 15,0 (%)
1.25	BS EN 16378:2013 Cereals. Determination of impurities content in maize and sorghum, p.p. 3.1-3.5; p.4; p.p. 7-9; Annex A; Chemical testing, physicochemical testing; Gravimetric	Maize; Sorghum	01.11.2; 01.11.41	100510; 1005900000	Impurities	Estimate: - 0 to 8,7 (%)
1.26	GOST 33538, p.6.1.2; Chemical testing, physicochemical testing; visual	Wheat	01.11.1	1001	Content of wheat grain damaged by Eurygaster bugs	Estimate: - 0 to 20,0 (%)
1.27	GOST 10968; Calculation method	Wheat; Maize; Barley, rye and oats;	01.11.1; 01.11.2; 01.11.3	1001; 100510; 1005900000; 1003; 1004	Germination energy germination capacity	Estimate: - 0 to 100 (%) Estimate:

						- 0 to 100 (%)
1.28	GOST ISO 3093; Chemical testing, physicochemical testing; viscometric	Wheat; Durum wheat; Rye; Wheat and wheat-rye flour; Rye flour	01.11.1; 01.11.11; 01.11.32; 10.61.21; 10.61.22.110	1001; 1001110000; 1001190000; 1102907000	Falling number	- 60 to more or equal 500 (Sec)
1.29	ISO 3093; Chemical testing, physicochemical testing; viscometric	Wheat; Durum wheat; Rye; Rye flour; Wheat and wheat-rye flour; Barley, rye and oats;	01.11.1; 01.11.11; 01.11.32; 10.61.22.110 ; 10.61.21	1001; 1001110000; 1001190000; 1102907000	Falling number	- 60 to more or equal 500 (Sec)
1.30	GOST 10846; Chemical testing, physicochemical testing; Titrimetric	Wheat; Durum wheat; Sorghum, millet and other cereals	01.11.1; 01.11.11; 01.11.4; 01.11.3	1001; 1001110000; 1001190000; 1007; 1008; 1003; 1004	Determination of protein content	Estimate: - 5 to 50,0 (%)
1.31	ISO 20483; Chemical testing, physicochemical testing; Titrimetric	Wheat; Durum wheat; Sorghum, millet and other cereals	01.11.1; 01.11.11; 01.11.4; 01.11.3	1001; 1001110000; 1001190000; 1007; 1008; 1003; 1004	Nitrogen content and calculation of the crude protein content (the Kjeldahl method)	Estimate: - 5 to 50,0 (%)
1.32	GOST ISO 5529; Chemical testing, physicochemical testing; visual	Wheat	01.11.1	1001912000	Sedimentation - the Zeleny test	- 17 to 65 (cm ³)
1.33	ISO 5529; Chemical testing, physicochemical testing; visual	Wheat	01.11.1	1001912000	Sedimentation - the Zeleny test	- 17 to 65 (cm ³)
1.34	ISO 27971; Physico-mechanical; measurement of physical quantities	Wheat	01.11.1	1001912000	Alveograph propeties	- W 80 to 420 Ex10-4J P 30 to 112 L 35 to 190 G 13,1 to 31,1
1.35	GOST ISO 2171; Chemical testing, physicochemical testing; Gravimetric	Wheat; Bran, sharps and other residues from grain processing;	01.11.1; 10.61.40; 10.61.2; 01.11.49	2302; 110100; 110100110;	Ash content (total ash)	Estimate: - 0,5 to 10,0 (%)

		Flour from cereals, vegetables and other plant crops; mixtures thereof; Other grain crops		1101001509; 1101009000; 1102		
1.36	ISO 2171; Chemical testing, physicochemical testing; Gravimetric	Bran, sharps and other residues from grain processing; Wheat; Flour from cereals, vegetables and other plant crops; mixtures thereof; Other grain crops	10.61.40; 01.11.1; 10.61.2; 01.11.49	2302; 110100; 110100110; 1101001509; 1101009000; 1102	Ash content (total ash)	Estimate: - 0,5 to 10,0 (%)
1.37	GOST 27558; Organoleptic (sensory) testing; organoleptic (sensory)	Flour from cereals, vegetables and other plant crops; mixtures thereof; Bran, sharps and other residues from grain processing	10.61.2; 10.61.40	110100; 110100110; 1101001509; 1101009000; 1102; 2302	Colour Odour Taste Crunch	- Normal/Abnormal - Normal/Abnormal - Normal/Abnormal - Felt/Not felt
1.38	GOST 27559; Chemical testing, physicochemical testing; visual	Flour from cereals, vegetables and other plant crops; mixtures thereof; Bran, sharps and other residues from grain processing	10.61.2; 10.61.40	110100; 110100110; 1101001509; 1101009000; 1102; 2302	Pest infestation and filth test Infestation of grain reserves with pests (insects, mites)	- Found/Not found - Found/Not found
1.39	GOST 9404; Chemical testing, physicochemical testing; Gravimetric	Flour from cereals, vegetables and other plant crops; mixtures thereof; Bran, sharps and other residues from grain processing	10.61.2; 10.61.40	110100; 110100110; 1101001509; 1101009000; 1102; 2302	Moisture	Estimate: - 5,0 to 15,0
1.40	GOST 27839, p.8; p.p. 9.1-9.2; p.9.4; p.p.10— 11; Physico-mechanical I; other research (testing) methods for determining physical and mechanical parameters	Wheat and wheat-rye flour	10.61.21	-	Quality of gluten Quantity of wet gluten	- 0 to 150,7 (GDI) Estimate: - no washed to 40 (%)
1.41	GOST 27494; Chemical testing, physicochemical testing; Gravimetric	Flour from cereals, vegetables and other plant crops; mixtures thereof; Bran, sharps and other residues from grain processing	10.61.2; 10.61.40	110100; 110100110; 1101001509; 1101009000; 1102; 2302	Ash content	Estimate: - 0,1 to 7,0 (%)
1.42	GOST 13496.13;	Mixed feeds	10.91.10.180	230910; 230990	Odour	- Normal/Abnormal

	Organoleptic (sensory) testing; organoleptic (sensory)					
1.43	GOST 13496.13; Chemical testing, physicochemical testing; visual	Mixed feeds	10.91.10.180	230910; 230990	Infestation by cereal parasites	- 0 to 10 (pcs/kg)
1.44	GOST 13456; Organoleptic (sensory) testing; organoleptic (sensory)	Beet-pulp, bagasse and other waste of sugar manufacture	10.81.20	2303	Odour	- Normal/Abnormal
1.45	GOST 32044.1-2012 (ISO 5983-1:2005); Chemical testing, physicochemical testing; Titrimetric	Farm animal feeding stuffs	10.91	230990; 2309901000; 2309902000; 2302	Mass fraction of nitrogen and calculation of mass fraction of the crude protein (the Kjeldahl method)	Estimate: - 5,0 to 50,0 (%) Estimate: - 5,0 to 50,0 (%)
1.46	ISO 5983-1; Chemical testing, physicochemical testing; Titrimetric	Farm animal feeding stuffs	10.91	230990; 2309901000; 2309902000; 2302	Nitrogen content and calculation of the crude protein content (the Kjeldahl method)	Estimate: - 5,0 to 50,0 (%) Estimate: - 5,0 to 50,0 (%)
1.47	ISO 5983-2; Chemical testing, physicochemical testing; Titrimetric	Farm animal feeding stuffs	10.91	230990; 2309901000; 2309902000; 2302	Nitrogen content and calculation of the crude protein content (the Kjeldahl method)	Estimate: - 5,0 to 50,0 (%) Estimate: - 5,0 to 50,0 (%)
1.48	GOST 31675, p.6; p.5.4; Chemical testing, physicochemical testing; Gravimetric	Oilcake and other solid residues of vegetable fats or oils; Wheat; Farm animal feeding stuffs; Mixed feeds	10.41.41.100 ; 01.11.1; 10.91; 10.91.10.180	2304000001; 2302; 230990; 2309901000; 2309902000; 230910	Crude fibre content	Estimate: - 2,0 to 50,0 (%)
1.49	ISO 5498, p.p.9-10; Annex A; Annex B p.B4 7.9.1; p.B5; Chemical testing, physicochemical testing; Gravimetric	Cereal crops (except rice), grain legumes, oilseeds; Farm animal feeding stuffs; Oilcake and other solid residues of vegetable fats or oils; Oilcake and other solid food residues obtained from the extraction of soybean oil;	01.11; 10.91; 10.41.41.100 10.41.41.111 ; 10.61.40	1001; 1003; 1004; 1005; 1007; 0708100000; 0713310000; 0713320000;	Crude fibre content	Estimate: - 2,0 to 50,0 (%)

		Bran, sharps and other residues from grain processing		071333; 071334000; 071335000; 071339000; 0713400000; 230990; 2309901000; 2309902000; 2302; 2306		
1.50.	GOST ISO 6865, p.8; p.9; p.11; p.12; Chemical testing, physicochemical testing; Gravimetric	Farm animal feeding stuffs; Oilcake and other solid residues of vegetable fats or oils; Toasted sunflower meal obtained by extracting sunflower oil; Wheat; Maize; Sorghum, millet and other cereals; Barley, rye and oats;	10.91; 10.41.41.100 ; 10.41.41.123 ; 01.11.1; 01.11.2; 01.11.4; 01.11.3	230990; 2309901000; 2309902000; 2302; 2306; 100510; 1005900000; 1007; 1008; 1003; 1004	Crude fibre content	Estimate: - 2,0 to 22,3 (%) 20,0 to 223,0 (g/kg)
1.51.	ISO 6865, p.8; p.9; p.11; p.12; Chemical testing, physicochemical testing; Gravimetric	Farm animal feeding stuffs; Wheat; Maize; Dried beans; Dried chickpeas; Dried lentils; Dried peas; Sorghum, millet and other cereals; Barley, rye and oats; Oilcake and other solid residues of vegetable fats or oils; Bran, siftings and other waste from grain processing	10.91; 01.11.1; 01.11.2; 01.11.71; 01.11.73; 01.11.74; 01.11.75; 01.11.4; 01.11.3; 10.41.41.100 ; 10.61.40	230990; 2309901000; 2309902000; 2302; 100510; 1005900000; 0713310000; 0713320000; 071333; 071334000; 071335000; 071339000; 0713400000; 0708100000; 1007; 1008; 1003; 1004; 2306	Crude fibre content	Estimate: - 2,0 to 22,3 (%) 20,0 to 223,0 (g/kg)
1.52.	GOST R 54951-2012 (ISO 6496:1999), p.7; p.p.8.1—8.2; p.8.4; p.p.9-10;	Farm animal feeding stuffs; Oilcake and other solid residues of vegetable fats or oils;	10.91; 10.41.41.100 ;	230990; 2309901000; 2309902000;	Moisture and other volatile matter content	Estimate:

	Chemical testing, physicochemical testing; Gravimetric	Bran, siftings and other waste from grain processing; Toasted sunflower meal obtained by extracting sunflower oil	10.61.40; 10.41.41.123	2302; 2306; 2304000001		- 5,0 to 15,0 (%) Estimate: - 5,0 to 15,0 (%)
1.53.	ISO 6496, p.7; p.p.8.1.2; p.p.8.2—8.3; p.8.5; p.p.9-10; Chemical testing, physicochemical testing; Gravimetric	Toasted sunflower meal obtained by extracting sunflower oil; Bran, siftings and other waste from grain processing; Oilcake and other solid residues of vegetable fats or oils; Farm animal feeding stuffs	10.41.41.123 ; 10.61.40; 10.41.41.100 ; 10.91	2304000001; 2302; 2306; 230990; 2309901000; 2309902000	Moisture and other volatile matter content	Estimate: - 5,0 to 15,0 (%) Estimate: - 5,0 to 15,0 (%)
1.54.	GOST R 54705, p.4; p.5; Chemical testing, physicochemical testing; Gravimetric	Toasted sunflower meal obtained by extracting sunflower oil; Oilcake and other solid residues of vegetable fats or oils	10.41.41.123 ; 10.41.41.100	2304000001; 2306	Mass fraction of moisture and volatile matter	Estimate: - 5,0 to 15,0 (%) Estimate: - 5,0 to 15,0 (%)
1.55.	GOST 13456, p.3.3.2.1; p.3.3.3; Chemical testing, physicochemical testing; Gravimetric	Beet-pulp, bagasse and other waste of sugar manufacture	10.81.20	2303	Moisture	Estimate: - 5,0 to 15,0 (%)
1.56.	GOST 32933-2014 (ISO 5984:2002); Chemical testing, physicochemical testing; Gravimetric	Mixed feeds; Farm animal feeding stuffs; Bran, siftings and other waste from grain processing; Oilcake and other solid residues of vegetable fats or oils; Toasted sunflower meal obtained by extracting sunflower oil	10.91.10.180 ; 10.91; 10.61.40; 10.41.41.100 ; 10.41.41.123	230910; 230990; 2309901000; 2309902000; 2302; 2306; 2304000001	Crude ash	Estimate: - 1,0 to 179,8 (%)
1.57.	ISO 5984; Chemical testing, physicochemical testing; Gravimetric	Mixed feeds; Farm animal feeding stuffs; Bran, sharps and other residues from grain processing; Toasted sunflower meal obtained by extracting sunflower oil; Oilcake and other solid residues of vegetable fats or oils	10.91.10.180 ; 10.91; 10.61.40; 10.41.41.123 ; 10.41.41.100	230910; 230990; 2309901000; 2309902000; 2302; 2304000001; 2306	Crude ash	Estimate: - 1,0 to 179,8 (%)

1.58.	GOST 32045-2012 (ISO 5985:2002); Chemical testing, physicochemical testing; Gravimetric	Mixed feeds; Farm animal feeding stuffs; Toasted sunflower meal obtained by extracting sunflower oil; Bran, siftings and other waste from grain processing; Oilcake and other solid residues of vegetable fats or oils	10.91.10.180 ; 10.91; 10.41.41.123 ; 10.61.40; 10.41.41.100	230910; 230990; 2309901000; 2309902000; 2302; 2304000001; 2306	Ash insoluble in hydrochloric acid	Estimate: - 0,17 to 3,46 (%) 1,7 to 34,6 (g/kg)
1.59.	ISO 5985; Chemical testing, physicochemical testing; Gravimetric	Mixed feeds; Farm animal feeding stuffs; Bran, siftings and other waste from grain processing; Oilcake and other solid residues of vegetable fats or oils; Toasted sunflower meal obtained by extracting sunflower oil	10.91.10.180 ; 10.91; 10.61.40; 10.41.41.100 ; 10.41.41.123	230910; 230990; 2309901000; 2309902000; 2302; 2306; 2304000001	Ash insoluble in hydrochloric acid	Estimate: - 0,17 to 3,46 (%) 1,7 to 34,6 (g/kg)
1.60.	GOST R 53153; Chemical testing, physicochemical testing; extraction-weight	Oilcake and other solid residues of vegetable fats or oils; Toasted sunflower meal obtained by extracting sunflower oil;	10.41.41.100 ; 10.41.41.123	2306; 2304000001	Crude fat content	Estimate: - 0 to 10 (%)
1.61.	ISO 734; Chemical testing, physicochemical testing; extraction-weight	Toasted sunflower meal obtained by extracting sunflower oil; Oilcake and other solid residues of vegetable fats or oils	10.41.41.123 ; 10.41.41.100	2304000001; 2306	Oil content	Estimate: - 0 to 5,0 (%)
1.62.	GOST 32905-2014 (ISO 6492:1999), Category A; Chemical testing, physicochemical testing; extraction-weight	Toasted sunflower meal obtained by extracting sunflower oil	10.41.41.123	2304000001	Crud fat content	Estimate: - 0 to 17,7 (%)
1.63.	ISO 6492, Category A; Chemical testing, physicochemical testing; extraction-weight	Mixed feeds; Farm animal feeding stuffs; Bran, sharps and other residues from grain processing	10.91.10.180 ; 10.91; 10.61.40	230910; 230990; 2309901000; 2309902000; 2302	Crude fat content	Estimate: - 0 to 17,7 (%)
1.64.	GOST 28497, p.6.2; p.7; Physico-mechanical; other research (testing) methods for determining physical and mechanical parameters	Mixed feeds; Farm animal feeding stuffs; Bran, sharps and other residues from grain processing; Oilcake and other solid residues of vegetable fats or oils;	10.91.10.180 ; 10.91; 10.61.40; 10.41.41.100 ;	230910; 230990; 2309901000; 2309902000; 2302; 2306;	Mass fraction of crumbs Fine content	Estimate: - 0 to 50 (%) Estimate:

		Toasted sunflower meal obtained by extracting sunflower oil	10.41.41.123	2304000001		- 0 to 50,0 (%)
1.65.	GOST R 51899, p. 5.5; Physico-mechanical; Measuring geometric parameters (length, width, thickness, area, change in size, angle)	Mixed feeds; Bran, sharps and other residues from grain processing; Toasted sunflower meal obtained by extracting sunflower oil	10.91.10.180; 10.61.40; 10.41.41.123	230910; 230990; 2302; 2304000001	Pellet Length Pellet Diameter Pellet Size	Estimate: - 2,5 to 14,7 (mm) Estimate: - 2,5 to 14,7 (mm) 2,5 to 14,7 (mm)
1.66.	GOST 5472, p.p.I-III; Organoleptic (sensory) testing; organoleptic (sensory)	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.29; 10.41.5	1506000000	Odour Colour	- Normal/Abnormal - Normal/Abnormal
1.67.	GOST 5475, p. 2.2.1; p. 2.2; p. 2.4; p. 4; Chemical testing, physicochemical testing; Titrimetric	Vegetable oils and their fractions, refined, but not chemically modified; Other vegetable oils and their fractions, not refined	10.41.5; 10.41.29	1506000000	Iodine value	Estimate: - 5 to 200 (grams of iodine per hundred grams)
1.68.	GOST R ISO 3961; Chemical testing, physicochemical testing; Titrimetric	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.29; 10.41.5	1506000000	Iodine value	Estimate: - 1,5 to 200 (grams of iodine per hundred grams)
1.69.	ISO 3961:2018 Animal and vegetable fats and oils. Determination of iodine value; Chemical testing, physicochemical testing; Titrimetric	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.2; 10.41.5	1506000000	Iodine value	Estimate: - 3,0 to 200 (grams of iodine per hundred grams)
1.70.	GOST 5477; Chemical testing, physicochemical testing; visual	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.2; 10.41.5	1506000000	Colour according to the Lovibond scale Colour	- Red 0,1 to 70,0 (units) Yellow 0,1 to 70,0 (units) Blue 0,1 to 40,0 (units) Neutral 0,1 to 3,0 (units) - 1 to 100 (mg iodine)
1.71.	ISO 15305; Non-destructive testing; visual-optical method	Other vegetable oils and their fractions, not refined;	10.41.2; 10.41.5	1506000000	Lovi bond cofour	- Red 0,1 to 70,0 (units)

		Vegetable oils and their fractions, refined, but not chemically modified				Yellow 0,1 to 70,0 (units) Blue 0,1 to 40,0 (units) Neutral 0,1 to 3,0 (units)
1.72.	GOST 5478; Chemical testing, physicochemical testing; Titrimetric	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.2; 10.41.5; 20.14.3	1506000000; 3823110000; 3823120000; 3823130000; 382319	Saponification value	Estimate: - 150 to 300 (mpKOH/g)
1.73.	ISO 3657:2020 Animal and vegetable fats and oils. Determination of saponification value; Chemical testing, physicochemical testing; Titrimetric	Oils and fats	10.41	1506000000; 1507101000; 150710900	Saponification value	Estimate: - 150 to 300 (mpKOH/g)
1.74.	GOST 5479; Chemical testing, physicochemical testing; Titrimetric	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified; Industrial monocarboxylic fatty acids, carboxylic acids and their derivatives	10.41.2; 10.41.5; 20.14.3	1506000000; 3823110000; 3823120000; 3823130000; 382319	Unsaponifiable matter	Estimate: - 0,1 to 2,0 (%)
1.75.	ISO 3596; Chemical testing, physicochemical testing; Titrimetric	Oils and fats	10.41	1506000000; 1507101000; 150710900	Unsaponifiable matter	Estimate: - 0,25 to 1,43 (%)
1.76.	GOST 5480, p. I; Chemical testing, physicochemical testing; visual	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.2; 10.41.5	1506000000	Soap	- Presence/Absence
1.77.	GOST 5481, п.5; p. 5; Annex A; Annex B; Chemical testing, physicochemical testing; filtration	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.2; 10.41.5	1506000000	Insoluble impurities и Sediment	Estimate: - absence to 0,5 (%) 0,1 to 15,0 (sm ³ /100 g)
1.78.	ISO 663; Chemical testing, physicochemical testing; filtration	Oils and fats	10.41	1506000000; 1507101000; 150710900	Insoluble impurities	Estimate: - 0 to 0,5 (%)
1.79.	ISO 15301; Other research (testing); methods of other	Oils and fats	10.41	1506000000; 1507101000;	Sediment (Centrifuge	Estimate:

	research (testing) without specification			150710900	method)	- 0,03 to 15,0 (ml/100g)
1.80.	GOST 31753, ISO 10540-1) (p. 4); Chemical testing, physicochemical testing; Infrared spectroscopy (spectrophotometric)	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.2;10.4 1.5	1506000000	Phosphorated substances	Estimate: - 2,0 to 2300 (mg/kg)
1.81.	ISO 10540-1; Chemical testing, physicochemical testing; colorimetric	Oils and fats	10.41	1506000000; 1507101000; 150710900	Phosphorus content	Estimate: - 0 to 500 (mg/kg)
1.82.	GOST R 50456-92 (ISO 662-80), Method B; Chemical testing, physicochemical testing; Gravimetric	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.2; 10.41.5	1506000000	Moisture and volatile matter content	Estimate: - 0,01 to 0,5 (%) Estimate: - 0,01 to 0,5 (%)
1.83.	ISO 662, Method B; Chemical testing, physicochemical testing; Gravimetric	Oils and fats	10.41	1506000000; 1507101000; 150710900	Moisture and volatile matter content	Estimate: - 0,01 to 0,5 (%) Estimate: - 0,01 to 0,5 (%)
1.84.	GOST 9287; Measurement of physical parameters; temperature measurement	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.2; 10.41.5	1506000000	Flash point in closed crucible)	- 150 to 250 (°C)
1.85.	ISO 15267, p. 7; p. 8.1; p.p. 8.2.1-8.2.6; p.9; Measurement of physical parameters; temperature measurement	Oils and fats	10.41	1506000000; 1507101000; 150710900	Flash point in closed crucible (121°C)	Taking into account concentration: - Occurred/Not occurred
1.86.	GOST 26593; Chemical testing, physicochemical testing; Titrimetric	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.2; 10.41.5	1506000000	Peroxide value	Estimate: - 0 to 40 (mmol (1/2 O)/kg) 0 to 0,51 (% iodine)
1.87.	GOST ISO 3960; Chemical testing, physicochemical testing; Titrimetric	Oils and fats	10.41	1506000000; 1507101000; 150710900	Peroxide value	Estimate: - 0 to 30 (meq0z/kg)
1.88.	ISO 3960;	Oils and fats	10.41	1506000000; 1507101000;	Peroxide value	Estimate: - 0 to 30 (meq0z/kg)

	Chemical testing, physicochemical testing; Titrimetric			150710900		
1.89.	GOST R 50457-92 (ISO 660-83), p. 4, p.6; Chemical testing, physicochemical testing; Titrimetric	Oils and fats	10.41	1506000000; 1507101000; 150710900	Acid value Acidity	Estimate: - 0,1 to 30,0 (mgKOH/g) Estimate: - 0,05 to 15,0 (%)
1.90.	ISO 660, p.8; p.9.1; p.10; p.11; Chemical testing, physicochemical testing; Titrimetric	Oils and fats	10,41	1506000000; 1507101000; 150710900	Acid value Acidity	Estimate: - 0 to more 75 (mgKOH/g) Estimate: - 0 to more 37,5 (%)
1.91.	ISO 12966-4; Chemical testing, physicochemical testing; Gas/gas-liquid chromatography	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.2; 10.41.5	1506000000	Mass fraction of fatty acid methyl esters	Estimate: - absence to 100 (%) Estimate: - absence to 100 (%)
1.92.	GOST 30418; Chemical testing, physicochemical testing; Gas/gas-liquid chromatography	Other vegetable oils and their fractions, not refined; Vegetable oils and their fractions, refined, but not chemically modified	10.41.2; 10.41.5	1506000000	Mass fraction of fatty acid	Estimate: - 0,1 to 100 (%)
1.93.	GOST ISO 6320; Chemical testing, physicochemical testing; refractometric	Oils and fats	10.41	1506000000; 1507101000; 150710900	Refractive index	- 1,300 to 1,700
1.94.	ISO 6320; Chemical testing, physicochemical testing; refractometric	Oils and fats	10.41	1506000000; 1507101000; 150710900	Refractive index	- 1,300 to 1,700
1.95.	ISO 6883; Chemical testing, physicochemical testing; pycnometric	Oils and fats	10.41	1506000000; 1507101000; 150710900	Conventional mass per volume (litre weight in air)	Estimate: - 0,860 to 0,930 (g/ml)
1.96.	AOCS CC 13i-96 Vegetable Oils. method determines	Other vegetable oils and their fractions, not refined;	10.41.2; 10.41.5	1506000000	Chlorophyll	Estimate:

	chlorophyll; Chemical testing, physicochemical testing; photometric	Vegetable oils and their fractions, refined, but not chemically modified				- 4,0 to 34,5 (mg/kg)
1.97.	GOST 27988; Organoleptic (sensory) testing; organoleptic (sensory)	Seeds of flax, mustard, rapeseed, rapeseed, sesame, sunflower and other oilseeds, not elsewhere classified	01.11.9	1201; 1201100000; 1201900000; 120400; 120400100; 1204009000; 1205; 120510; 120590000; 120600; 1206001000; 1207	Odour Colour	- Normal/Abnormal - Normal/Abnormal
1.98.	GOST 10856; Chemical testing, physicochemical testing; Gravimetric	Seeds of flax, mustard, rapeseed, rapeseed, sesame, sunflower and other oilseeds, not elsewhere classified	01.11.9	1201; 1201100000; 1201900000; 120400; 120400100; 1204009000; 1205; 120510; 120590000; 120600; 1206001000; 1207	Moisture	Estimate: - 0,5 to 25,0 (%)
1.99.	GOST 8.597; Physico-mechanical; measurement of physical quantities	Seeds of flax, mustard, rapeseed, rapeseed, sesame, sunflower and other oilseeds, not elsewhere classified	01.11.9	1201; 1201100000; 1201900000; 120400; 120400100; 1204009000; 1205; 120510; 120590000; 120600; 1206001000; 1207	Moisture	- 5,0 to 20,0 (%)
1.100.	ISO 665:2020 Oilseeds. Determination of moisture and volatile matter content;	Seeds of flax, mustard, rapeseed, rapeseed, sesame, sunflower and other oilseeds, not elsewhere classified	01.11.9	1201; 1201100000; 1201900000; 120400;	Moisture and volatile matter content	Estimate: - 2,0 to 18,0 (%) Estimate:

	Chemical testing, physicochemical testing; Gravimetric			120400100; 1204009000; 1205; 120510; 120590000; 120600; 1206001000; 1207		- 2,0 to 18,0 (%)
1.101 .	GOST 10854; Chemical testing, physicochemical testing; Gravimetric	Seeds of flax, mustard, rapeseed, rapeseed, sesame, sunflower and other oilseeds, not elsewhere classified	01.11.9	1201; 1201100000; 1201900000; 120400; 120400100; 1204009000; 1205; 120510; 120590000; 120600; 1206001000; 1207	Foreing matter Oil- producing Harmful and specially checked impurities	Estimate: - less 0,5 to 15,0 (%) less 0,5 to 6,0 (%)
1.102 .	ISO 658; Chemical testing, physicochemical testing; Gravimetric	Seeds of flax, mustard, rapeseed, rapeseed, sesame, sunflower and other oilseeds, not elsewhere classified	01.11.9	1201; 1201100000; 1201900000; 120400; 120400100; 1204009000; 1205; 120510; 120590000; 120600; 1206001000; 1207	Impurities	Estimate: - less 0,5 to more 6,0(%)
1.103 .	GOST 10857, p.p. 4-5; Chemical testing, physicochemical testing; extraction-weight	Seeds of flax, mustard, rapeseed, rapeseed, sesame, sunflower and other oilseeds, not elsewhere classified;	01.11.9	1201; 1201100000; 1201900000; 120400; 120400100; 1204009000; 1205; 120510; 120590000; 120600; 1206001000;	Oil content	Estimate: - 15,0 to 60,0 (%)

				1207		
1.104	GOST 8.597; Physico-mechanical; measurement of physical quantities	Seeds of flax, mustard, rapeseed, rapeseed, sesame, sunflower and other oilseeds, not elsewhere classified;	01.11.9	1201; 1201100000; 1201900000; 120400; 120400100; 1204009000; 1205; 120510; 120590000; 120600; 1206001000; 1207	Oil content	Estimate: - 15,0 to 60,0 (%)
1.105	ISO 659; Chemical testing, physicochemical testing; extraction-weight	Seeds of flax, mustard, rapeseed, rapeseed, sesame, sunflower and other oilseeds, not elsewhere classified;	01.11.9	1201; 1201100000; 1201900000; 120400; 120400100; 1204009000; 1205; 120510; 120590000; 120600; 1206001000; 1207	Oil content	Estimate: - 15,0 to 60,0 (%)
1.106	GOST R 51410-99 (ISO 729- 88); Chemical testing, physicochemical testing; Titrimetric	Seeds of flax, mustard, rapeseed, rapeseed, sesame, sunflower and other oilseeds, not elsewhere classified;	01.11.9	1201; 1201100000; 1201900000; 120400; 120400100; 1204009000; 1205; 120510; 120590000; 120600; 1206001000; 1207	Acid value Acidity	Estimate: - 0,1 to 30,0 (mgKOH/g) Estimate: - 0,05 to 15,0 (%)
1.107	GOST 10853; Chemical testing, physicochemical testing; visual	Seeds of flax, mustard, rapeseed, rapeseed, sesame, sunflower and other oilseeds, not elsewhere classified;	01.11.9	1201; 1201100000; 1201900000; 120400; 120400100; 1204009000;	Pest infestation	- I to III degree (mites)

				1205; 120510; 120590000; 120600; 1206001000; 1207		
1.108 .	GOST 17082.4; Organoleptic (sensory) testing; organoleptic (sensory)	Ethereal-oil crops	01.28.30.110	0909210000; 0909220000; 0909	Odour	- Normal/Abnormal
1.109 .	GOST 17082.4; Chemical testing, physicochemical testing; visual	Ethereal-oil crops	01.28.30.110	0909210000; 0909220000; 0909	Pest infestation	- I to III degree (mites)
1.110 .	GOST 17082.2; Chemical testing, physicochemical testing; Gravimetric	Ethereal-oil crops	01.28.30.110	0909210000; 0909220000; 0909	Moisture	Estimate: - 5 to 20 (%)
1.111 .	GOST 17082.3; Chemical testing, physicochemical testing; Gravimetric	Ethereal-oil crops	01.28.30.110	0909210000; 0909220000; 0909	Broken fruits Admixture Ethereal-oil admixture	Estimate: - less 0,5 to 25,0 (%) Estimate: - less 0,5 to 25,0 (%) Estimate: - less 0,5 to 25,0 (%)

Head of the laboratory

Position of authorized person

Electronically signed

signature of authorized person

L.V. Krasnikova

initials, last name of the authorized person