APPROVED
by the Deputy Director of the Lithuanian Research Centre for Agriculture and Forestry
responsible for the activities of the Institute of Agriculture
Registration date: 29 June 2026
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Price List for Analyses Performed at the Chemical Research Laboratory of the Institute of Agriculture, Lithuanian Research Centre for Agriculture and Forestry (LAMMC)

Address: Instituto Ave. 1, Akademija, Kėdainiai District, Lithuania
Phone: +370 612 43 147 **E-mail:** chem.tyrimai@lammc.lt

5. Grain and Flour Quality Analysis

No.	Description of Analysis	Number of Samples	Price, Eur		
			Price without VAT	VAT	Price with VAT
5.1	Determination of Moisture Content in Bread and Bakery Products (LST 1492)	1	4,1322	0,87	5,00
5.2	Determination of Moisture Content in Cereals and Cereal Products (LST ISO 712)	1	4,1322	0,87	5,00
5.3	Determination of Ash Content by the Gravimetric Method (LST ISO 2171)	1	6,6116	1,39	8,00
5.4	Determination of Acid-Insoluble Ash Content	1	9,9177	2,08	12,00
5.5	Determination of Protein Content in Common Wheat Grain Using the NIRS 6500 Spectrometer	1	6,6100	1,39	8,00
5.6	Determination of Nitrogen or Protein Content by the Kjeldahl Method (LST EN ISO 20483)	1	7,4430	1,56	9,00
5.7	Determination of Phosphorus (P) by the Spectrophotometric Method	1	8,2635	1,74	10,00
5.8	Determination of Potassium (K) by Atomic Absorption Spectrometry (AAS)	1	8,2635	1,74	10,00
5.9	Determination of Calcium (Ca) by Atomic Absorption Spectrometry (AAS)	1	8,2635	1,74	10,00
5.10	Determination of Magnesium (Mg) by Atomic Absorption Spectrometry (AAS)	1	8,2635	1,74	10,00
5.11	Determination of Sodium (Na) by Atomic Absorption Spectrometry (AAS)	1	8,2635	1,74	10,00
5.12	Determination of Iron (Fe) by Atomic Absorption Spectrometry (AAS)	1	8,2635	1,74	10,00
5.13	Determination of Zinc (Zn) by Atomic Absorption Spectrometry (AAS)	1	8,2635	1,74	10,00
5.14	Determination of Copper (Cu) by Atomic Absorption Spectrometry (AAS)	1	8,2635	1,74	10,00
5.15	Determination of Manganese (Mn) by Atomic Absorption Spectrometry (AAS)	1	8,2635	1,74	10,00
5.16	Determination of Lead (Pb) by Atomic Absorption Spectrometry (AAS)	1	9,9174	2,08	12,00

5.17	Determination of Cadmium (Cd) by Atomic Absorption Spectrometry (AAS)	1	9,9174	2,08	12,00
5.18	Determination of Aluminium (Al) by Atomic Absorption Spectrometry (AAS)	1	12,3967	2,60	15,00
5.19	Determination of Four Selected Elements (K, Ca, Mg, Na, Zn, Fe, Cu, Mn) in a Single Sample (Minimum 10 Samples)	1	31,4048	6,60	38,00
5.20	Determination of Six Selected Elements (K, Ca, Mg, Na, Zn, Fe, Cu, Mn) in a Single Sample (Minimum 10 Samples)	1	47,1100	9,89	57,00
5.21	Determination of Carbon, Nitrogen and Sulfur (CNS) by the Dumas Method in a Single Sample	1	24,7934	5,21	30,00
5.22	Determination of Neutral Detergent Fibre (NDF)	1	12,3967	2,60	15,00
5.23	Determination of Crude Fibre by the Henneberg–Stohmann Method	1	8,6777	1,82	10,50
5.24	Determination of Starch Content by the Polarimetric Method	1	11,5700	2,43	14,00
5.25	Determination of Starch Swelling Power and Solubility Under Different Temperature Regimes	1	9,9174	2,08	12,00
5.26	Determination of Resistant Starch by the Spectrophotometric Method Using a Test Kit	1	18,1800	3,82	22,00
5.27	Determination of Flour or Starch Viscosity Using an RVA Analyzer	1	16,5289	3,47	20,00
5.28	Determination of Alpha-Amylase Activity Using an RVA Analyzer	1	9,9174	2,08	12,00
5.29	Determination of Alpha-Amylase Activity by the Enzymatic CERALPHA Method	1	18,1800	3,82	22,00
5.30	Determination of Amylose (Amylopectin) Content in Starch by the Spectrophotometric Method (Iodine Reaction)	1	12,3967	2,60	15,00
5.31	Determination of Amylose (Amylopectin) Content in Starch by the Spectrophotometric Method (Concanavalin A Lectin Assay) Using a Test Kit	1	18,1800	3,82	22,00
5.32	Determination of A-Starch Content (A/B Starch Ratio) by the Laser Diffraction Method	1	16,5289	3,47	20,00
5.33	Determination of Flour Particle Size by the Laser Diffraction Method	1	12,3967	2,60	15,00
5.34	Determination of Falling Number (LST ISO 3093)	1	11,5700	2,43	14,00
5.35	Determination of Beta-Glucan Content by the Spectrophotometric Method Using a Test Kit	1	20,6612	4,34	25,00
5.36	Determination of Hectolitre Weight (LST ISO 7971)	1	5,7850	1,21	7,00
5.37	Determination of Grain Hardness by the Particle Size Index (PSI) Method (LST 1594) Using Perten 3303 or Cyclotec Mills	1	6,6100	1,39	8,00
5.38	Determination of Wet Gluten Content by Manual Washing and Gluten Quality (Gluten Index, GI) (LST 1522 or LST EN ISO 21415-1)	1	20,6612	4,34	25,00

5.39	Determination of Wet Gluten Content and Gluten Index (GI) Using the Perten Glutomatic System (LST 1571 or LST EN ISO 21415-2)	1	13,2231	2,78	16,00
5.40	Determination of Wet and Dry Gluten Content, Hydration and Gluten Index Using the Perten Glutomatic System (LST 1571 or LST EN ISO 21415-2; LST EN ISO 21415-4)	1	16,5289	3,47	20,00
5.41	Determination of Sedimentation Value by the Zeleny Method (LST ISO 5529)	1	14,8780	3,12	18,00
5.42	Farinograph Analysis (Determination of Water Absorption, Dough Development Time, Stability, Degree of Softening and Quality Number) (LST 1696 and LST ISO 5530-1)	1	24,7934	5,21	30,00
5.43	Experimental Bread Baking Using an Automatic Bread Maker (Determination of Bread Volume and Weight)	1	16,5289	3,47	20,00
5.44	Experimental Bread Baking Using an Automatic Bread Maker (Determination of Bread Volume, Weight, Height-to-Width Ratio, Moisture Content, Crumb Scan and, upon Request, Photographs of the Sample Set)	1	20,6612	4,34	25,00
5.45	Determination of Total Anthocyanin Content	1	16,5289	3,47	20,00
5.46	Determination of Total Arabinoxylan Content	1	20,6600	4,34	25,00
5.47	Determination of Total Flavonoid Content	1	11,5700	2,43	14,00
5.48	Determination of Total Polyphenol Content	1	11,5700	2,43	14,00
5.49	Determination of Antioxidant Activity Using the ABTS Radical Scavenging Assay	1	16,5289	3,47	20,00
5.50	Determination of Antioxidant Activity Using the DPPH Radical Scavenging Assay	1	16,5289	3,47	20,00
5.51	Determination of Crude Fat Content by the Soxhlet or Soxtec Method	1	13,2231	2,78	16,00
5.52	Grinding Using the Perten 3100 or ZM 200 Mill	1	4,1322	0,87	5,00
5.53	Milling Using the Quadrumat Junior Mill (300 g) (Flour Yield Calculated upon Request)	1	5,7851	1,21	7,00
5.54	Starch Isolation (5 g)	1	5,7851	1,21	7,00
5.55	Preparation of the Test Report in a Foreign Language	1	2,8926	0,61	3,50
5.56	An Additional Fee of 30% of the Total Amount Applies for Urgent Services.				