

**The Appendix is an integral part of
Certificate of Accreditation No.: 567/2024 of 25/10/2024**

Accredited entity according ČSN EN ISO/IEC 17025:2018:

Laboratoř M O R A V A s.r.o.
CAB number 1266, Laboratoř M O R A V A s.r.o.
Oderská 456, Butovice, 742 13 Studénka

The laboratory is qualified to carry out standalone sampling.

Detailed information on activities within the scope of accreditation (determined analytes / tested subject) is given in the section "Specification of the scope of accreditation"

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1	Chemical and physical-chemical tests			
1.1	Determination of sulphate by titration	SOP 01 (ČSN 75 7477)	Water, purified water, boiler water, extracts	-
1.2	Determination of elements (As, Be, Cd, Mo, Pb, Sb, Se, V) by AAS – Electrothermal Atomization method	SOP 02 (ČSN EN ISO 15586; ČSN EN ISO 5961)	Water, purified water, boiler water, extracts	-
1.3	Determination of elements (As, Cd, Pb) by AAS – Electrothermal Atomization method	SOP 02 A (ČSN EN ISO 15586; ČSN EN ISO 5961; JPP ÚKZÚZ – Analysis of vegetable material)	Food, agricultural products, feedstuffs, vegetable material	-
1.4	Determination of elements (As, Be, Cd, Mo, V) by AAS – Electrothermal Atomization method	SOP 02 C (ČSN EN ISO 15586; ČSN EN ISO 5961; JPP ÚKZÚZ – Analysis of soils II)	Waste, soils, sludge, sediments, sand, fertilizers	-
1.5	Determination of total mercury by AMA analyzer	SOP 03 (ČSN 75 7440; JPP ÚKZÚZ – Analysis of soils II; JPP ÚKZÚZ – Analysis of vegetable material)	Water, purified water and boiler water, extracts, food, agricultural products, feedstuffs, vegetable material, waste, soils, sludge, sediments, sand, fertilizers	-
1.6	Determination of dissolved reactive silicon by photometry and their forms (SiO ₂ , Silicic acid) by calculation	SOP 04 (ČSN 75 7481)	Water, purified water and boiler water	-
1.7	Determination of chemical oxygen demand (COD-Cr) by titration	SOP 05 (ČSN ISO 6060)	Water, extracts	-
1.8	Determination of biochemical oxygen demand after 5 days (BOD ₅) by optical luminescence method	SOP 06 (ČSN EN ISO 5815-1)	Water, extracts	-
1.9	Determination of nitrate nitrogen by photometry and nitrate by calculation	SOP 07 (ČSN ISO 7890-3)	Water, purified water, boiler water, extracts	-
1.10	Determination of anionic surfactants by photometry	SOP 08 (ČSN EN 903)	Water, extracts	-



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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1.11	Determination of ammonia nitrogen by photometry and inorganic, total nitrogen and ammonium by recalculation	SOP 09 (ČSN ISO 7150-1)	Water, purified water, boiler water, extracts	-
1.12	Determination of ammonium ions, ammoniacal nitrogen and organic nitrogen by titration	SOP 09 A (ČSN ISO 5664)	Water, purified water, boiler water, extracts	-
1.13	Determination of phosphorus and phosphates by photometry and forms (P ₂ O ₅ , P-PO ₄) by calculation	SOP 10 (ČSN EN ISO 6878)	Water, purified water, boiler water, extracts	-
1.14	Determination of nitrite nitrogen by photometry and nitrite by calculation	SOP 11 (ČSN EN 26777)	Water, purified water, extracts	-
1.15	Determination of polycyclic aromatic hydrocarbons (PAH) by liquid chromatography method (HPLC/FLD+UV)	SOP 12 (ČSN EN ISO 17993)	Water, extracts	-
1.16	Determination of polycyclic aromatic hydrocarbons (PAH) by liquid chromatography method (HPLC/FLD+UV)	SOP 12 A (ČSN EN 17503)	Waste, soils, sludge, sediments, sand, fertilizers	-
1.17	Determination of polychlorinated biphenyls (PCB), organochlorine pesticides (OCP) by gas chromatography method (GC/ECD)	SOP 13 (ČSN EN ISO 6468)	Water, extracts	-
1.18	Determination of polychlorinated biphenyls (PCB), organochlorine pesticides (OCP) by gas chromatography method (GC/ECD)	SOP 13 A (ČSN EN 17322)	Waste, soils, sludge, sediments, fertilizers	-
1.19	Determination of univalent phenols volatilising with water steam by photometry	SOP 15 (ČSN ISO 6439)	Water, extracts	-
1.20	Determination of boron by photometry	SOP 16 (ČSN ISO 9390)	Water, purified water, extracts	-
1.21	Visual determination of color	SOP 17 (ČSN EN ISO 7887)	Water, extracts	-
1.22	Determination of total and easily liberatable cyanides by photometry	SOP 19 (ČSN ISO 6703-2; ČSN 75 7415)	Water, extracts	-
1.23	Reserved			-



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1.24	Determination of humic substances by photometry	SOP 22 (ČSN 75 7536)	Water	-
1.25	Determination of elements (Ag, Ba, Ca, Co, Cr, Cu, Fe, Mg, Mn, Ni, Pb, Zn) by flame AAS method	SOP 23 (ČSN 75 7385; ČSN ISO 7980; TNV 75 7408; ČSN ISO 8288; ČSN EN 1233; ČSN 75 7400)	Water, purified water, boiler water, extracts	-
1.26	Determination of elements (Ca, Cu, Mg, Mn, Zn) by flame AAS method	SOP 23 A (ČSN 75 7385; ČSN ISO 7980; ČSN ISO 8288; ČSN EN 1233; JPP ÚKZÚZ – Analysis of vegetable material; JPP ÚKZÚZ – Method of feedstuffs laboratory testing)	Food, agricultural products, feedstuffs, vegetable material	-
1.27	Determination of elements (Al, Ba, Ca, Co, Cr, Cu, Fe, Mg, Mn, Ni, Pb, Zn) by flame AAS method and forms (CaO and MgO) by calculation	SOP 23 C (ČSN 75 7385; ČSN ISO 7980; TNV 75 7408; ČSN ISO 8288; ČSN EN 1233; ČSN 75 7400; ČSN EN ISO 12020; ČSN 72 1227; JPP ÚKZÚZ – Analysis of soils II)	Waste, soils, sludge, sediments, sand, fertilizers	-
1.28	Determination of suspended solids by gravimetry	SOP 24 (ČSN EN 872)	Water	-
1.29	Determination of dissolved solids (RL) and dissolved inorganic salts (RAS) by gravimetry	SOP 25 (ČSN 75 7346; ČSN 75 7347)	Water, extracts	-
1.30	Determination of base neutralizing capacity BNC _{4,5} and BNC _{8,3} by titration	SOP 26 (ČSN 75 7372)	Water, boiler water	-
1.31	Determination of chemical oxygen demand with permanganate (COD-Mn) by titration	SOP 27 (ČSN EN ISO 8467)	Water, purified water, boiler water	-
1.32	Determination of Na and K by flame emission spectrometry method	SOP 28 (ČSN ISO 9964)	Water, purified water, extracts	-



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1.33	Determination of Na and K by flame emission spectrometry method	SOP 28 A (JPP ÚKZÚZ – Analysis of vegetable material; JPP ÚKZÚZ – Method of feedstuffs laboratory testing)	Feedstuffs, vegetable material, food, agricultural products	-
1.34	Determination of Na and K by flame emission spectrometry and forms (Na ₂ O and K ₂ O) by calculation	SOP 28 B (JPP ÚKZÚZ – Analysis of soils II)	Soils, sludge, sediments, fertilizers, biodegradable waste	-
1.35	Determination of total hardness (the sum of calcium and magnesium) by titration	SOP 29 (ČSN ISO 6059)	Water, purified water, boiler water	-
1.36	Determination of absorbance by photometry	SOP 30 (ČSN 75 7360)	Water drinking (including hot), raw, produced, modified, surface, ground, bottled, mineral and bathing water	-
1.37*	Determination of free and total chlorine by photometry – MERCK or HACH analytical commercial set and bound chlorine by calculation	SOP 31 (MERCK firm publication; HACH firm publication)	Water, purified water	-
1.38	Determination of dry matter and annealing residue (ash) by gravimetry, water content (determination of moisture), loss of ignition (combustible matter) and carbon by calculation	SOP 32 (ČSN ISO 11465; ČSN EN 15934; ČSN EN 15935)	Waste, soils, sludge, sediments, fertilizers, input and output from BPS	-
1.39	Determination of dry matter and annealing residue (ash) by gravimetry, water content (determination of moisture) and loss of ignition (combustible matter) by calculation	SOP 32 A (JPP ÚKZÚZ – Analysis of vegetable material; JPP ÚKZÚZ – Method of feedstuffs laboratory testing)	Feedstuffs, vegetable material, agricultural products	-
1.40	Determination of nonpolar extractives (NEL) by infrared spectrometry method	SOP 33 (ČSN 75 7505:1998)	Water, boiler water, extracts	-
1.41	Determination of nonpolar extractives (NEL) by infrared spectrometry method	SOP 33 A (TNV 75 8052)	Waste, soils, sludge, sediments, fertilizers	-
1.42	Determination of extractives (EL) by infrared spectrometry method	SOP 34 (ČSN 75 7506)	Water, boiler water, extracts	-
1.43*	Determination of temperature	SOP 39 (ČSN 75 7342)	Water, boiler water	-



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1.44	Determination of volatile organic compounds by gas chromatography (GC/ECD+FID)	SOP 40 (ČSN EN ISO 15680)	Water, extracts	-
1.45	Determination of volatile organic compounds by gas chromatography (GC/ECD+FID)	SOP 40 A (ČSN EN ISO 15680)	Waste, soils, sludge, sediments	-
1.46	Determination of turbidity by nephelometry	SOP 41 (ČSN EN ISO 7027-1)	Water, purified water	-
1.47*	Determination of pH by potentiometry	SOP 43 (ČSN ISO 10523)	Water, purified water, boiler water, extracts, impregnation solutions (agents for the protection of wood)	-
1.48	Determination of pH by potentiometry	SOP 44 (ČSN EN ISO 10390; ČSN EN 13037; JPP ÚKZÚZ – Analysis of soils I)	Waste, soils, sludge, sediments, fertilizers, feedstuffs, input and output from BPS	-
1.49	Determination of acceptable nutrients (Mg, Ca) by flame AAS method	SOP 45 (JPP ÚKZÚZ – Analysis of soils I)	Soils, sediments	-
1.50	Determination of acceptable nutrients (K) by flame emission spectrometry	SOP 45 A (JPP ÚKZÚZ – Analysis of soils I)	Soils, sediments	-
1.51	Determination of acceptable nutrients (P) by photometry	SOP 45 B (JPP ÚKZÚZ – Analysis of soils)	Soils, sediments	-
1.52	Determination of conductivity by conductometry	SOP 46 (JPP ÚKZÚZ – Analysis of soils I; ČSN ISO 11265)	Soils, sludge, sediments, fertilizers	-
1.53	Determination of oxidable carbon by photometry and humus by calculation	SOP 47 (JPP ÚKZÚZ – Analysis of soils III)	Soils, sludge, sediments, fertilizers	-
1.54	Determination of indecomposable foreign matter by gravimetry	SOP 48 (JPP ÚKZÚZ – Testing of fertilizers)	Fertilizers	-
1.55	Determination of aluminium by photometry	SOP 49 (ČSN ISO 10566)	Water, purified water, extracts	-
1.56	Determination of acid neutralizing capacity ANC _{4,5} and ANC _{8,3} by titration	SOP 50 (ČSN EN ISO 9963-1)	Water, boiler water	-
1.57	Determination of adsorbable organically bound halogens (AOX) by coulometry	SOP 51 (ČSN EN ISO 9562)	Water, extracts	-



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1.58	Determination of adsorbable organically bound halogens (AOX) by coulometry	SOP 51 A (ČSN EN 16166)	Waste, soil, sludge, sediments, fertilizers	-
1.59*	Determination of electrical conductivity	SOP 52 (ČSN EN 27888)	Water, purified water, boiler water, extracts	-
1.60	Determination of extractable organically bound halogens (EOX) by coulometry	SOP 53 (DIN 38414-S17)	Waste, soils, sludge, sediments	-
1.61	Determination of chlorides by titration	SOP 54 (ČSN ISO 9297)	Water, purified water, extracts	-
1.62	Determination of total organic carbon (TOC) and dissolved organic carbon (DOC) by infrared spectrometry method	SOP 55 (ČSN EN 1484)	Water, purified water, extracts	-
1.63	Determination of total organic carbon (TOC) by infrared spectrometry method	SOP 56 (ČSN EN 15936)	Waste, soils, sludge, sediments, fertilizers	-
1.64	Determination of dissolved anions by ion chromatography (IC) and their forms by calculation	SOP 57 (ČSN EN ISO 10304-1; ČSN EN ISO 10304-3; ČSN EN ISO 10304-4)	Water, purified water, boiler water, extracts	-
1.65*	Determination of redox potential	SOP 58 (ČSN 75 7367)	Bathing water, ground water	-
1.66*	Preliminary determination of odour and taste	SOP 59 (ČSN EN 1622; ČSN 75 7340)	Drinking water, hot, modified, produced, raw water, purified water	-
1.67	Determination of hexavalent chromium by photometry	SOP 60 (ČSN EN ISO 18412)	Water	-
1.68	Determination of total nitrogen (N) content by titration after distillation	SOP 61 (JPP ÚKZÚZ – Analysis of vegetable material)	Feedstuffs, vegetable material	-
1.69	Determination of total nitrogen (N) content by titration after distillation and calculation of C:N ratio	SOP 61 A (JPP ÚKZÚZ – Analysis of soils III)	Soils, sludge, sediments, fertilizers, biodegradable waste, input and output from BPS	-
1.70	Determination of phosphorus (P) content by photometry	SOP 62 (JPP ÚKZÚZ – Analysis of vegetable material)	Feedstuffs, vegetable material	-
1.71	Determination of phosphorus (P) content by photometry and P ₂ O ₅ by calculation	SOP 62 A (JPP ÚKZÚZ – Analysis of vegetable material)	Soils, sludge, sediments, fertilizers, biodegradable waste, input and output from BPS	-



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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1.72	Determination of organic acids (lactic, acetic, propionic, butyric) isotachophoretically	SOP 63 (JPP ÚKZÚZ – Method of feedstuffs laboratory testing)	Feedstuffs, biodegradable waste, input and output from BPS	-
1.73	Determination of fibre content by gravimetry	SOP 64 (ČSN ISO 6541; ČSN ISO 16472; ČSN ISO 13906; JPP ÚKZÚZ – Method of feedstuffs laboratory testing)	Feedstuffs, biodegradable waste, input and output from BPS	-
1.74	Determination of ammonia nitrogen (N-NH ₄ ⁺) by photometry	SOP 65 (JPP ÚKZÚZ – Analysis of soils III)	Soils, sediments, fertilizers	-
1.75	Determination of ammonia nitrogen (N-NH ₄ ⁺) by titration	SOP 65 B (JPP ÚKZÚZ – Analysis of soils III)	Soils, sludge, sediments, fertilizers, biodegradable waste, input and output from BPS	-
1.76	Determination of nitrate nitrogen (N-NO ₃ ⁻) by potentiometry ISE and the sum of mineral nitrogen by calculation	SOP 65 A (JPP ÚKZÚZ – Analysis of soils III)	Soils, sludge, sediments, fertilizers, biodegradable waste	-
1.77	Determination of fat by gravimetry	SOP 66 (JPP ÚKZÚZ – Method of feedstuffs laboratory testing)	Feedstuffs, oily seeds, biodegradable waste	-
1.78	Determination of hydrocarbons C ₁₀ to C ₄₀ by gas chromatography (GC/FID)	SOP 67 (ČSN EN ISO 9377-2)	Water, extracts	-
1.79	Determination of hydrocarbons C ₁₀ to C ₄₀ by gas chromatography (GC/FID)	SOP 67 A (ČSN EN 14039; ČSN EN ISO 16703)	Waste, soils, sludge, sediments, fertilizers	-
1.80	Determination of respiratory activity (AT4) using a respirometer	SOP 68 (ÖNORM S 2027-4)	Waste, soils, sludge, sediments, fertilizers	-
1.81	Determination of starch content by enzymatic method - MEGAZYM commercial analytical kit	SOP 69 (MEGAZYM firm publication)	Feedstuffs, vegetable material	-
1.82	Determination of acid neutralizing capacity (alkalinity) by potentiometric titration and calculation of carbamate hardness and CO ₂ forms (HCO ₃ ⁻ , CO ₃ ²⁻ , OH ⁻ , free CO ₂ , bound CO ₂ and total CO ₂) from measured values	SOP 36 (ČSN 75 7373; ČSN EN ISO 9963-1)	Water, boiler water	-



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1.83	Determination of elements (Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, V, Zn) by ICP-OES method and calcium, magnesium and total hardness (sum of Ca + Mg) by calculation	SOP 37 (ČSN EN ISO 11885)	Water, purified water, boiler water, extracts	-
1.84	Determination of elements (As, B, Ca, Cd, Cu, Fe, K, Mg, Mn, P, Pb, S, Zn) by ICP-OES method	SOP 37 A (JPP ÚKZÚZ – Analysis of vegetable material)	Food, agricultural products, feedstuffs, vegetable material	-
1.85	Determination of elements (Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Ni, P, Pb, V, Zn) by ICP-OES method and forms (CaO, K ₂ O, MgO and P ₂ O ₅) by calculation	SOP 37 B (ČSN EN 16170:2017)	Waste, soils, sludge, sediments, sand, fertilizers, input and output from BPS	-
1.86	Determination of acceptable nutrients (Ca, K, Mg and P) by ICP-OES method	SOP 38 (JPP ÚKZÚZ – Analysis of soils I)	Soils, sediments	-
2	Microbiological and biological tests			
2.1	Detection and enumeration of <i>Escherichia coli</i> and coliform bacteria by membrane filtration method	SOP 101 (ČSN EN ISO 9308-1; Regulation No. 423/2001 Coll.)	Water	-
2.2	Detection and enumeration of thermotolerant coliform bacteria and <i>Escherichia coli</i> by membrane filtration method	SOP 102 (ČSN 75 7835)	Water	-
2.3	Detection and enumeration of thermotolerant coliform bacteria and <i>Escherichia coli</i> by culture methods	SOP 102 A (ČSN 75 7835; AHEM 7/2001; AHEM 1/2008)	Waste, sludge, sediments, fertilizers, sand	-
2.4	Detection and enumeration of intestinal enterococci by membrane filtration method	SOP 103 (ČSN EN ISO 7899-2; Regulation No. 423/2001 Coll.)	Water	-
2.5	Detection and enumeration of intestinal enterococci by culture methods	SOP 103 A (ČSN EN ISO 7899-2; AHEM 7/2001; AHEM 1/2008)	Waste, sludge, sediments, fertilizers, sand	-
2.6	Detection and enumeration of mesophilic bacteria by culture methods	SOP 104 A (ČSN 75 7841)	Biodegradable waste	-



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2.7	Enumeration of culturable microorganisms at 22 °C and 36 °C by inoculation in a nutrient agar culture medium	SOP 105 (ČSN EN ISO 6222; Regulation No. 423/2001 Coll.)	Water	-
2.8	Detection and enumeration of <i>Clostridium perfringens</i> by membrane filtration method	SOP 106 (ČSN EN ISO 14189)	Water	-
2.9	Detection and enumeration of <i>Pseudomonas aeruginosa</i> by membrane filtration method	SOP 107 (ČSN EN ISO 16266)	Water	-
2.10	Enumeration of coagulase – positive staphylococci by membrane filtration method	SOP 108 (ČSN EN ISO 6888-1; ČSN EN ISO 6888-2)	Water	-
2.11	Enumeration of <i>Escherichia coli</i> by culture method	SOP 109 (ČSN ISO 16649-1; ČSN ISO 16649-2)	Foodstuffs	-
2.12	Determination of microbial contamination of feed and food industry facilities and medical facilities by culture methods	SOP 110 (ČSN 56 0100:1970; ČSN EN ISO 4833-1; ČSN EN ISO 6579-1; ČSN EN ISO 11290-1; ČSN EN ISO 21528-2; ČSN ISO 4832; ČSN EN ISO 7937; ČSN EN ISO 7932)	Areas and surfaces, epidermis	-
2.13	Determination of microbial contamination of surfaces by culture methods	SOP 110 A (Commission Regulation (ES) č. 1441/2007)	Smears of carcasses	-
2.14	Reserved			
2.15	Biological analysis – determination of microscopic image	SOP 112 (ČSN 75 7712; Regulation No. 423/2001 Coll.)	Water	-
2.16	Biological analysis – microscopic determination of abioseston	SOP 112 A (ČSN 75 7713; Regulation No. 423/2001 Coll.)	Water	-
2.17	Enumeration of total microorganisms by culture method	SOP 113 (Czech Pharmacopoeia 2017, clause 2.6.12)	Purified water	-
2.18	Enumeration of total microorganisms by culture methods	SOP 114 (ČSN EN ISO 4833-1; ČSN EN ISO 4833-2; ČSN 56 0084)	Food, feedstuffs	-



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2.19	Enumeration of coliforms by culture method	SOP 115 (ČSN ISO 4832)	Foodstuffs	-
2.20	Enumeration of yeasts and moulds by culture method	SOP 116 (ČSN ISO 21527-1; ČSN ISO 21527-2; AHEM 1/2003)	Food, feedstuffs, organic fertilizers	-
2.21	Detection and enumeration of <i>Salmonella</i> by culture method	SOP 117 (ČSN EN ISO 6579-1)	Foodstuffs	-
2.22	Detection and enumeration of <i>Salmonella</i> by culture method	SOP 117 A (ČSN EN ISO 6579-1; AHEM 7/2001; AHEM 1/2008)	Waste, sludge, sediments, fertilizers, sand	-
2.23	Detection and enumeration of <i>Salmonella</i> by membrane filtration method	SOP 117 B (ČSN ISO 19250)	Water	-
2.24	Enumeration of <i>Bacillus cereus</i> by culture method	SOP 118 (ČSN EN ISO 7932)	Foodstuffs	-
2.25	Detection and enumeration of <i>Legionella</i> by membrane filtration method	SOP 119 (ČSN EN ISO 11731)	Water	-
2.26	Testing of efficiency of sterilizers by biological and non-biological indicators	SOP 121 (ČSN EN 867-5:2002; AHEM 1/2014)	Biological and non-biological indicators	-
2.27	Detection and enumeration of <i>Listeria monocytogenes</i> by culture method	SOP 122 (ČSN EN ISO 11290-1; ČSN EN ISO 11290-2)	Foodstuffs	-
2.28	Detection and enumeration of <i>Listeria monocytogenes</i> by mini VIDAS	SOP 124 (BioMérieux firm publication)	Foodstuffs, surfaces of food industry facilities	-
2.29	Enumeration of <i>Enterobacteriaceae</i> by culture method	SOP 125 (ČSN EN ISO 21528-2)	Foodstuffs	-
2.30	Detection and enumeration of <i>Enterobacteriaceae</i> by culture method	SOP 125 A (ČSN EN ISO 21528-2)	Waste, fertilizers	-
2.31	Detection and enumeration of <i>Salmonella</i> by mini VIDAS	SOP 126 (BioMérieux firm publication)	Food, feedstuffs, surfaces of food and feed industry facilities	-
2.32	Detection and enumeration of <i>Salmonella</i> by mini VIDAS	SOP 126 A (BioMérieux firm publication)	Waste, sludge, sediments, fertilizers, sand	-
2.33	Detection and enumeration of sporulating sulphites reducing anaerobes (clostridia) by membrane filtration method	SOP 141 (ČSN EN 26461-2)	Water	-

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3	Tests for impregnating solutions and impregnated wood			
3.1	Determination of the content of quarternary ammonium compounds by titration	SOP 200 (ČSN EN ISO 2871-2)	Wood preservatives (impregnating solutions), impregnated wood and its aqueous extracts	-
3.2	Chelatometric determination of copper content	SOP 201 (ČSN 49 0609)	Wood preservatives (impregnating solutions)	-
3.3	Determination of tebuconazole, propiconazole, and permethrin content by liquid chromatography method (HPLC/UV)	SOP 203 (ČSN EN 71-11)	Wood preservatives (impregnating solutions), impregnated wood and its aqueous extracts	-
3.4	Determination of 3-iodo-2-propenyl-N-butylcarbamate (IPBC) content by liquid chromatography method (HPLC/UV)	SOP 207 (ČSN EN 71-11)	Wood preservatives (impregnating solutions), impregnated wood and its aqueous extracts	-
3.5	Determination of copper by flame AAS method	SOP 210 (ČSN ISO 8288)	Impregnated wood and its aqueous extracts	-
4	Ecotoxicological tests			
4.1	Determination of the inhibition of the mobility of <i>Daphnia magna</i> Straus – Acute toxicity test	SOP 300 (ČSN EN ISO 6341)	Water surface, ground, waste, extracts, chemical substances and mixtures	-
4.2	Freshwater green algal growth inhibition test	SOP 302 (ČSN EN ISO 8692)	Water surface, ground, waste, extracts, chemical substances and mixtures	-
4.3	Determination of the acute lethal toxicity on the seeds of <i>Sinapis alba</i> , including the preparation of aqueous extract	SOP 304 (Bulletin MŽP ČR, class XVII, No. 4/2007)	Water surface, ground, waste, extracts, chemical substances and mixtures	-
4.4	Test of inhibition of growth of higher plants – on salad <i>Lactuca sativa</i>	SOP 301 (ČSN EN ISO 11269-1; Regulation No. 257/2009 Coll.)	Waste, soils, sludge, sediments, chemical substances and mixtures	-
4.5	Determination of toxicity on <i>Vibrio fischeri</i> luminescent bacteria	SOP 309 (ČSN EN ISO 11348-1; ČSN EN ISO 11348-2)	Water surface, ground, waste, extracts, chemical substances and mixtures	-

¹ asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

³ the laboratory does not apply a flexible approach to the scope of accreditation



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Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
1.15, 1.16	Naphthalene, acenaphthene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, dibenzo(a,h)anthracene, indeno(1,2,3-c,d)pyrene and sum of PAH by recalculation
1.17, 1.18	Congeners – K 28, K 52, K 101, K 118, K 138, K 153, K 180 and sum of PCB congeners by recalculation Hexachlorobenzene, alpha HCH, beta HCH, delta HCH, gamma HCH, heptachlor, p,p'-DDE, p,p'-DDD, p,p'-DDT, o,p'-DDE, o,p'-DDD, o,p'-DDT, 4,4'-methoxychlor, aldrin, endrin, dieldrin, trifluralin, alpha endosulfan, beta endosulfan, cis-heptachloroepoxide, trans-heptachloroepoxide and sum of pesticides by recalculation
1.44, 1.45	Benzene, toluene, ethylbenzene, o-xylene, sum of m-xylene + p-xylene, sum of xylenes, styrene, chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, dichloromethane, tetrachloromethane, 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, 1,2-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethene (TCE), 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, tetrachloroethene (PCE), chloroform, bromodichloromethane, dibromochloromethane, bromoform and sum of THM (trihalomethanes), sum of BTEX (benzene, toluene, ethylbenzene, xylenes) and sum of VOC (volatile organic compounds) by recalculation
1.64	Fluorides, chlorides, nitrites, nitrates, phosphates, sulphates, bromides, iodides, chlorites, chlorates, bromates and their forms (N-NO ₂ , N-NO ₃ , P-PO ₄ , P ₂ O ₅ , S-SO ₄) and sum of chlorites + chlorates by calculation

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (tested subject)
1.1, 1.2, 1.5-1.15, 1.17, 1.19-1.22, 1.24, 1.25, 1.28-1.32, 1.35, 1.37, 1.40, 1.42-1.44, 1.46, 1.47, 1.55-1.57, 1.59, 1.61, 1.62, 1.64, 1.67, 1.78, 1.82, 1.83, 2.1, 2.2, 2.4, 2.7-2.10, 2.15, 2.16, 2.23, 2.25, 2.33	Drinking water (including hot water), raw, produced, modified, surface, ground, waste, technological, bottled, mineral and bathing water
1.1, 1.2, 1.5, 1.6, 1.9, 1.11-1.14, 1.20, 1.21, 1.25, 1.31, 1.32, 1.35, 1.37, 1.46, 1.47, 1.55, 1.59, 1.61, 1.62, 1.64, 1.66, 1.83, 2.17	Aqua purificata, water for dilution of concentrated haemodialysis solutions, water for sterilisers, distilled and demineralized water
1.1, 1.2, 1.5, 1.7-1.15, 1.17, 1.19, 1.20, 1.22, 1.25, 1.29, 1.32, 1.40, 1.42, 1.44, 1.47, 1.55, 1.57, 1.59, 1.61, 1.62, 1.64, 1.78, 1.83, 4.1-4.3, 4.5	Aqueous extracts of solid samples prepared according to valid legislation – Waste Act No. 541/2020 Coll. as amended and related regulations
1.4, 1.5, 1.16, 1.18, 1.27, 1.34, 1.38, 1.41, 1.48, 1.52-1.54, 1.58, 1.63, 1.69, 1.71, 1.74, 1.75, 1.76, 1.79, 1.80, 1.85, 2.3, 2.5, 2.20, 2.22, 2.30, 2.32	Composts, organic, organomineral, mineral, lime fertilisers and soil improvers
1.4, 1.5, 1.16, 1.18, 1.27, 1.38, 1.41, 1.45, 1.48, 1.58, 1.60, 1.63, 1.79, 1.80, 1.85, 2.3, 2.5, 2.22, 2.30, 2.32, 4.4	Solid and liquid waste, biodegradable waste, waste products (shortly products), recyclates



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Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
1	Drinking water sampling	IP 01 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-5; ČSN EN ISO 5667-14; ČSN EN ISO 11731; ČSN EN ISO 19458; Regulation No. 252/2004 Coll.)	Drinking, raw, treated water, hot water
2	Purified water sampling	IP 01 A (Czech Pharmacopoeia 2017, clause 2.6.12; ČSN 68 4063; ČSN EN ISO 19458; ČSN EN ISO 5667-1; ČSN EN ISO 5667-14)	Purified water (Aqua purificata, water for dilution of concentrated haemodialysis solutions, water for sterilisers, distilled and demineralized water)
3	Waste water sampling (manually and by automatic sampler)	IP 02 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-10; ČSN EN ISO 5667-14)	Waste water
4	Surface water sampling	IP 02 A (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-4; ČSN EN ISO 5667-6; ČSN EN ISO 5667-14; ČSN EN ISO 19458)	Surface water
5	Ground water sampling (using pump)	IP 03 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-11; ČSN EN ISO 5667-14)	Ground water
6	Sampling of water from artificial bathing places	IP 04 (ČSN EN ISO 5667-1; ČSN EN ISO 19458; ČSN EN ISO 5667-3; ČSN EN ISO 5667-14; ČSN EN ISO 11731; Regulation No. 238/2011 Coll.)	Bathing water



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Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
7	Waste sampling	IP 05 (ČSN EN 14899; Bulletin MŽP ČR, class XVIII, No. 4/2008; ČSN EN ISO 5667-1; ČSN EN ISO 5667-13; ČSN EN ISO 5667-15; ČSN EN 16179; ČSN 46 5735)	Waste (solid and liquid waste, biodegradable waste, waste products, recyclates), sludge, BPS inputs and outputs, composts
8	Agricultural soil sampling	IP 06 (Working procedure for AZZP in ČR in season 2023 to 2028; Regulation No. 275/1998 Coll., Regulation No. 335/2017 Coll.)	Soils
9	Sand box sampling	IP 07 (Regulation No. 238/2011 Coll.; MP MZ 35023/2004 HEM; AHM 1/1986)	Sand
10	Agricultural products sampling for the determination of chemical parameters	IP 08 (ČSN 56 0253)	Agricultural products, fruit and vegetables
11	Sampling from carcasses for the determination of microbiological parameters	IP 09 A (ČSN EN ISO 17604; Methodical instruction SVS ČR No. 2/2006; Commission Regulation (ES) No. 1441/2007)	Carcasses
12	Sampling of smears and imprints for the determination of microbial contamination of feed and food industry facilities and medical facilities	IP 09 B (ČSN EN ISO 18593; ČSN 56 0100:1970; ČSN P CEN ISO/TS 17728)	Areas and surfaces, epidermis
13	Sampling of biological and non-biological indicators for checks of efficiency of sterilizers	IP 10 (ČSN EN 867-5:2002; AHM 1/2014; Regulation No. 306/2012 Coll.)	Biological and non-biological indicators
14	Sampling of sediments	IP 12 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-15; ČSN ISO 5667-12; ČSN EN 14899; Regulation No. 257/2009 Coll.; Bulletin MŽP ČR, class XVIII, No. 4/2008)	Sediments

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Explanatory notes:

SOP	Standard Operating Procedure developed according to valid standards and regulations
IP	Internal Procedure (sampling procedure identification)
GC/ECD	Gas chromatography with electron capture detector
GC/FID	Gas chromatography with flame ionization detector
AAS	Atomic absorption spectroscopy
HPLC/FLD	High pressure liquid chromatography with fluorescence detector
HPLC/UV	High pressure liquid chromatography with ultraviolet detector
ICP-OES	Inductively Coupled Plasma Optical Emission Spectrometry
ISE	Ion Selective Electrode
JPP ÚKZÚZ	Uniform Working Procedures of the Central Institute for Supervising and Testing in Agriculture
BPS	Biogas Plants
AZZP	Agrochemical testing of agricultural soils
MP	Methodical Guideline
SVS	State Veterinary Administration
AHEM	Acta Hygienica, Epidemiologica et Microbiologica
MŽP	Ministry of the Environment
MZ	Ministry of Health
ÖNORM	Austrian technical standard
DIN	German technical standard

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself."

