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EMPLA AG spol. s r.o.
EMPLA Ecological Laboratories
Za Škodovkou 305, 503 11 Hradec Králové

Testing laboratory locations:

1. **Location P1 Hradec Králové** — Za Škodovkou 305, 503 11 Hradec Králové
2. **Location P2 Ústí nad Labem** — Revoluční 1521/84, 400 01 Ústí nad Labem
3. **Location P3 Brno** — Podnásepní 477/1H, 602 00 Brno

Letter E at the ordinal number identifies the tests performed by the Laboratory in accordance with the requirements for periodic emission measurement according to ČSN P CEN/TS 15675:2009.
The Laboratory is qualified to update normative documents identifying the test procedures.
The laboratory has a flexible scope of accreditation permitted as detailed in the Annex.
Updated list of activities provided within the required flexible scope of accreditation is available at the laboratory from the Quality Manager.
The Laboratory provides expert opinions and interprets test results.
The Laboratory is qualified to carry out independent sampling.

Tests:

Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
1 P1	Determination of pH of water and extracts	SOP V 1 (ČSN ISO 10 523)	Water, aqueous extracts 6)
2 P1	Determination of electrical conductivity of water and extracts	SOP V 2 (ČSN EN 27 888)	Water, aqueous extracts 6)
3 P1	Determination of dissolved solids and DIS by gravimetry	SOP V 3 (ČSN 75 7346, ČSN 75 7347)	Water, aqueous extracts 6)
4 P1	Determination of suspended solids and loss on ignition of suspended solids by gravimetry	SOP V 4 (ČSN EN 872 ČSN 757350)	Raw and waste water
5 P1	Determination of COD-Mn of drinking and surface water by titration	SOP V 5 (ČSN EN ISO 8467)	Drinking, surface, raw and underground water
6 P1	Determination of COD-Cr of water and extracts by spectrophotometry	SOP V 6 (ČSN ISO 15705)	Waste, surface, underground water, aqueous extracts 6)
7 P1	Determination of dissolved oxygen in water by oxygen probe	SOP V 7 (ČSN EN ISO 5814)	Water
8 P1	Determination of BOD-5 by oxygen probe	SOP V 8 (ČSN EN 1899-1, ČSN EN 1899-2)	Waste, surface and underground water
9 P1	Determination of ammonium in water and extracts by spectrophotometry	SOP V 9 (ČSN ISO 7150-1)	Water, aqueous extracts 6)
10 P1	Determination of nitrate and sulphate in water and extracts by capillary ITP method	SOP V 10 (STN 75 7430)	Water, aqueous extracts 6)

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
11 P1	Determination of nitrite in water and extracts by spectrophotometry	SOP V 11 (ČSN EN 26 777)	Water, aqueous extracts 6)
12 P1	Determination of chloride in water and extracts by titration	SOP V 12 (ČSN ISO 9297, ČSN 83 0530-20)	Water, aqueous extracts 6)
13 P1	Determination of fluoride by ISE	SOP V 13 (ČSN ISO 10 359)	Water, aqueous extracts 6) Working environment 2) Emissions 2), Air
14 P1	Determination of phosphate and total phosphorus in water and extracts by spectrophotometry	SOP V 14 (ČSN EN ISO 6878)	Water, aqueous extracts 6)
15 P1	Determination of volatile organic compounds in water by GC – FID/ECD/MS method	SOP V 15 (ČSN EN ISO 10 301, TNV 75 7550)	Water, aqueous extracts 6)
16 P1	Determination of aniline in water by GC – FID/MS method	SOP V 49 (Water Analysis – Hewlett Packard, chap. 7, page 163-179)	Water
17_1 P1	Determination of metals (Pb, Cd, Cu, Ni, Zn, Co, Cr, Na, K, Ca, Mg, Ba, Al, Fe, Ag, Mn, Mo, Sr, Ti, W) by flame AAS method	SOP V 16a_1 (ČSN ISO 8288, ČSN ISO 9964, ČSN ISO 7980, ČSN EN 1233, ČSN 75 7400, ČSN EN ISO 5961)	Water, aqueous 6) and acidic extracts 4)
17_2 P1	Determination of metals (Pb, Cd, Cu, Ni, Zn, Co, Cr, Na, K, Ca, Mg, Ba, Al, Fe, Ag, Mn, Mo, Sr, Ti, W) by flame AAS method	SOP V 16a_2 (ČSN ISO 8288, ČSN ISO 9964, ČSN ISO 7980, ČSN EN 1233, ČSN 75 7400, ČSN EN ISO 5961)	Working environment 2) Emissions 2) Air
18* P1	Determination of α-modification of silicon dioxide in respirable or settled dust by FTIR method	SOP PP 8 (NIOSH 7602)	Working environment 3) Air
19_1 P1	Determination of metals (Be, V, Se, Tl, Cd, Pb, Ni, Cr, Cu, As, Sb, Sn) AAS, by AAS, flameless GTA method	SOP V 16c_1 (ČSN EN ISO 15 586, ČSN EN 12 506)	Water, aqueous 6) and acidic extracts 4)
19_2 P1	Determination of metals (Be, V, Se, Tl, Cd, Pb, Ni, Cr, Cu, As, Sb, Sn) AAS, by AAS, flameless GTA method	SOP V 16c_2 (ČSN EN ISO 15 586, ČSN EN 12 506)	Working environment 2) Emissions 2) Air

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
20 P1	Determination of mercury by flameless AAS method (AMA)	SOP V 16d (ČSN 75 7440)	Water, aqueous[6)] and acidic extracts [4)] Liquid and solid waste, sediments, sludge, soil, liquid and solid materials [5)], food, feedstuffs, fertilizers, Emissions [2.3)]
21_1 P1	Determination of extractives in water by FTIR method	SOP V 17a (ČSN 75 7506)	Water, aqueous extracts [6)]
21_2 P1	Determination of extractives in water by gravimetry	SOP V 17b (ČSN 75 7508)	Water, aqueous extracts [6)]
22 P1	Determination of nonpolar extractives in water and extracts by FTIR method	SOP V 18 (ČSN 75 7505)	Water, aqueous extracts [6)]
23 P1	Determination of polyaromatic hydrocarbons in water and extracts by HPLC-FLD method	SOP V 19 (ČSN 75 7554)	Water, aqueous extracts [6)]
24 P1	Determination of polychlorinated biphenyls and organochlorine pesticides by GC-ECD method	SOP V 20 (ČSN EN ISO 6468)	Water, aqueous extracts [6)]
25 P1	Determination of univalent phenols by spectrophotometry	SOP V 21 (ČSN ISO 6439)	Water, aqueous extracts [6)] Emissions [2)]
26 P1	Determination of univalent phenols by spectrophotometry	SOP V 22 (ČSN EN 903)	Water, aqueous extracts [6)]
27 P1	Determination of AOX in water and extracts by coulometric analyser	SOP V 23 (ČSN EN ISO 9562)	Water, aqueous extracts [6)]
28_1 P1	Determination of formaldehyde by spectrophotometry after condensation with acetylacetone	SOP V 47a (ČSN EN 717-2, Davídek et al.: Laboratory manual of food analysis, page 417)	Water, aqueous extracts [6)]
28_2 P1	Determination of formaldehyde by spectrophotometry after condensation with acetylacetone (distillation method)	SOP V 47b (ČSN EN 717-2, Davídek et al.: Laboratory manual of food analysis, page 417)	Cosmetics, timber, chipboard, solid materials[5)]
29 P1	Determination of nonionic surfactants by photometry using Spectroquant set	SOP V 36 (Merck's Manual – Spectroquant Surfactant nonionic cell test)	Water
30 P1	Determination of phthalates in water by GC-MS method	SOP V 54 (ČSN EN ISO 18856)	Water, aqueous extracts [6)]
31 P1	Determmination of phthalates in soils, sludge, and sediments by GC-MS method	SOP O 15 (ČSN P CEN/TS 16183)	Soils, sludge, sediments

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
32 – 33	Reserved		
34 P1	Determination of total dry matter, humidity, ash and loss by annealing/annealing residue	SOP O 1 (ČSN ISO 11 465, ČSN 44 1377, ČSN EN ISO 18134-1, ČSN EN 15403, ČSN EN ISO 18122, ČSN ISO 1171)	Liquid and solid waste, sediments, sludge, soil, solid materials 5), Solid fuels, biofuels, solid alternative fuels
35_1.1 P1	Determination of metals in materials after microwave decomposition or after decomposition on a dry route by flame AAS method	SOP O 2_1.1	Liquid and solid waste, sediments, sludge, soil, solid materials 5)
35_1.2 P1	Determination of metals in materials after microwave decomposition or after decomposition on a dry route by flameless AAS method	SOP O 2_1.2	Liquid and solid waste, sediments, sludge, soil, solid materials 5)
35_2.1 P1	Determination of metals in materials after microwave decomposition by flame AAS method	SOP O 2_2.1	Working environment 3), Emissions 3), Air
35_2.2 P1	Determination of metals in materials after microwave decomposition by flameless AAS method	SOP O 2_2.2	Working environment 3), Emissions 3), Air
35_3.1 P1	Determination of metals in materials after microwave decomposition or after decomposition on a dry route by flame AAS method	SOP O 2_3.1	Feedstuffs, fertilizers, food, cosmetics, vegetable materials
35_3.2 P1	Determination of metals in materials after microwave decomposition or after decomposition on a dry route by flameless AAS method	SOP O 2_3.2	Feedstuffs, fertilizers, food, cosmetics, vegetable materials
36 P1	Determination of volatile and semivolatile extractable or strippable substances in waste and soil by GC – FID/ECD/MS method	SOP O 3 (ČSN EN ISO 10 301, ČSN 75 7550)	Liquid and solid waste, sediments, sludge, soil, solid materials 5)
37 P1	Determination of phenols and chlorophenols in water by GC - MS method	SOP V 50 (ČSN EN 12673)	Water
38 P1	Determination of nonpolar extractives by infrared spectroscopy NEL_{IR}	SOP O 4 (TNV 75 8052)	Liquid and solid waste, sediments, sludge, soil, solid materials 5)
39 P1	Determination of polychlorinated biphenyls and organochlorine pesticides by GC-ECD method	SOP O 5 (ČSN EN 61 619, ČSN EN 12766-1)	Liquid and solid waste, sediments, sludge, soil, solid materials 5); oils
40 P1	Determination of polyaromatic hydrocarbons by HPLC-FLD method	SOP O 6 (ČSN 75 7554)	Liquid and solid waste, sediments, sludge, soil, solid materials 5)

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
41* P1	Determination of volatile organic compounds in emission, immission, working environment and soil air by GC – FID/MS method	SOP E 1 (ČSN 75 7550, ČSN EN ISO 16 017-1 ČSN EN 13649)	Emission, air, Working environment, soil air, pressure gas
42* E P1,2	Determination of volatile organic compounds by continual measurement using flame ionization detector	SOP E 2 (ČSN EN 12619, ČSN ISO 10396)	Emissions
43* P1	Determination of dustiness by gravimetric method	SOP PP 1 (ČSN EN 481, Annex AHEM No. 8-1976, Annex AHEM No. 9-1987, Regulation No. 361/2007 Coll., ČSN ISO 8573-8, VDA 19.1, VDA 19.2)	Working environment, indoor and outdoor air, Pressure gas
44 P1	Determination of hexavalent chromium by spectrophotometry	SOP V 24 (ČSN ISO 11 083, NIOSH 7600)	Water, aqueous extracts [6)], Working environment [2,3)], Emissions [2.3)], Air
45 P1	Determination of total nitrogen in water and extracts by means of commercial analytical set Spectroquant	SOP V 25 (Merck specification)	Water, aqueous extracts [6)]
46_1 P1	Determination of selected elements by ICP-OES method	SOP V 29a (ČSN EN ISO 11885)	Water, extracts
46_2 P1	Determination of selected elements by ICP-OES method	SOP V 29b (ČSN P CEN/TS 16170)	Sediments, liquid and solid waste, soils and materials [5)]
46_3 P1	Determination of selected elements by ICP-OES method	SOP V 29c (ČSN EN ISO 11885)	Working environment [2.3)] Emissions [2.3)] Air
46_4 P1	Determination of selected elements by ICP-OES method	SOP V 29d (ČSN EN 15510, ČSN EN 16521)	Feedstuffs, food, vegetable materials
47 P1	Determination of TOC and DOC in water and extracts by analyzer NDIR	SOP V 27 (ČSN EN 1484)	Water, aqueous extracts [6)]
48 P1	Determination of fluoride in waste and soils by means of ISE	SOP O 7	Waste, soils
49 P1	Determination of acceptable nutrients in soils (Ca, Mg, K, P – Mehlich 3)	SOP O 11 (JPP ÚKZÚZ, AP1 chap. 3)	Soils
50 P1	Determination of melting point by means of melting microscope	SOP O 12 (Commission Regulation No. 440/2008, met. A.1)	Chemical substances and agents
51-53	Reserved		
54 P1	Determination of ethanol in beverages by pycnometry	SOP P 1 (ČSN 56 0210 No. 4)	Beverages, spirits, alcohol

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
55 P1	Determination of methanol, high-molecular-weight alcohols and volatile impurities by GC–FID content	SOP P 2 (ČSN 56 0210 No. 12, ČSN EN 15 721, ČSN 66 0805 Commission Regulation (EC) No. 2870/2000)	Beverages, spirits, alcohol
56 P1	Determination of phthalates in beverages by GC – FID method	SOP P 3 (EPA 8060, ČSN EN ISO 18856)	Beverages
57 P1	Determination of ethyl carbamate in beverages by GC-FID, GC-MS method	SOP P 4 (Compendium of international methods of analysis of spirituous beverages of vitivinicultural origin OIV-MA-BS-25, 2009)	Beverages
58 P1	Determination of sugar in beverages by gravimetry	SOP P 5 (ČSN 560210 p. 47, ČSN 560210 p. 48, ČSN 560210 p. 49)	Beverages
59_1 P1	Determination of triazine pesticides by GC-MS method	SOP V 51a (ČSN EN ISO 10695)	Water, extracts
59_2 P1	Determination of triazine pesticides by GC-MS method	SOP V 51b (ČSN EN ISO 10695)	Vegetable materials
60 P1	Determination of numerical concentration of mineral fibres in air (optical microscopy with phase contrast)	SOP PP 11 Government Regulation No. 361/2007, as amended, NIOSH Meth. No. 7400)	Working environment, indoor and outdoor air, immission
61* P1	Semiquantitative determination of analytes by means of detection tubes Dräger	SOP PP 10 (Dräger specifications)	Working and indoor environment, Emissions, Pressure gas
62* P1	Determination of mineral acids by spectrophotometry	SOP PP 2 (Sanitary Regulation No. 60, page 40-42)	Working environment Emissions Air
63* P1	Determination of ammonia by spectrophotometry	SOP PP 3 (Sanitary Regulation No. 60, page 15-18, ČSN ISO 7150-1)	Working environment Emissions Air
64* P1	Determination of sulfane by spectrophotometry	SOP PP 4 (Sanitary Regulation No. 60, page 91-95)	Working environment Emissions Air
65* P1	Determination of carbonyl compounds by HPLC – UVD method	SOP PP 5 (EPA TO 11)	Working environment Emissions Air
66* P1	Determination of polycyclic aromatic hydrocarbons (PAH) by HPLC – FLD method	SOP PP 6 (NIOSH Method 5506)	Working environment Emissions Air

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
67* P1	Determination of nitrogen oxides by spectrophotometry	SOP PP 7 (Sanitary Regulation No. 60, page 79-83)	Working environment Emissions Air
68 P1	Determination of nitrate in water and extracts by spectrophotometry	SOP V 28 (ČSN ISO 7890 – 3)	Water, aqueous extracts 6)
69* P1	Determination of diisocyanate by HPLC-FLD method	SOP PP 9 (OSHA 42, OSHA 47)	Working and indoor environment
70 P1	Determination of ammonia nitrogen by CFA method	SOP V 30 (ČSN ISO 7150 – 2)	Waste water, aqueous extracts 6) 7)
71 P1	Determination of nitrite and nitrate nitrogen by CFA method	SOP V 31 (ČSN EN ISO 13 395)	Water, aqueous extracts 6) 7)
72 P1	Determination of total nitrogen by CFA method and calculation of N_{org} and N_{inorg}	SOP V 32 (ČSN EN ISO 13 395, ČSN EN ISO 11 905-1)	Water, aqueous extracts 6)
73 P1	Determination of phosphate phosphor and total phosphor after decomposition by CFA method	SOP V 33 (ČSN EN ISO 15 681-2)	Water, aqueous extracts 6)
74 P1	Isotachophoretic determination of organic acids	SOP P 6 (AL No. 5 for IONOSEP 2003 – Recman 2003)	Feedstuffs, silage, fermentation products
75 P1	Determination of aflatoxins B1, B2, G1, G2 in food and feedstuffs by HPLC-FLD method	SOP P 7 (AOAC Method 990.33)	Food, feedstuffs
76_1 P1	Determination of nitrogen by titration according to Kjeldahl and of nitrogenous substances by calculation	SOP K 2a (ČSN 467092-4, Commission Regulation EC No. 152/2009 Annex III, ČSN ISO 1871, ČSN EN ISO 8968,)	Feedstuffs, plants, food, milk, fertilizers
76_2 P1	Determination of nitrogen by titration according to Kjeldahl and of nitrogenous substances by calculation	SOP K 2b (ČSN EN 13342, ČSN ISO 11261, ČSN EN 16169)	Sludge, biowaste, composts, soils, sediments
77 P1	Determination of boron - Spectrometric method using azomethine H	SOP V 35 (ČSN ISO 9390)	Water, aqueous extracts 6)
78 P1	Determination of chlorophyll-a in water by spectrophotometry	SOP V 26 (ČSN ISO 10 260)	Surface water, bathing water
79 P1	Determination of total cyanide by spectrophotometry	SOP V 37 (TNV 75 7415)	Water, aqueous extracts 6), waste

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
80 P1	Determination of easily liberatable cyanides by spectrophotometry	SOP V 38 (ČSN ISO 6703-2)	Water, aqueous extracts [6], waste Working environment [2] Emissions [2] Air
81 P1	Determination of colour by spectrophotometry	SOP V 39 (ČSN EN ISO 7887)	Drinking and underground water
82 P1	Determination of AOX, EOX in solid materials by coulometry using an analyser	SOP O 8 (DIN 38 414, Manual to Analyzer ESC 1200)	Solid materials [5], sludge, soils, oils, sediments
83 P1	Determination of total content of impurities in oil seeds by sieving and sorting	SOP P 8 (ČSN EN ISO 658)	Oil seeds
84 P1	Determination of acid value of fat by alkalimetry	SOP P 9 (AOAC Method 939.05, ČSN 46 7092-8)	Fats, oils, cereals, oil seeds, feedstuffs
85 P1	Determination of fat content in feedstuffs and oil seeds by gravimetry after extraction	SOP K 1 (Commission Regulation (EC) No. 152/2009, Annex III, ČSN EN ISO 659)	Feedstuffs, oil seeds
86 P1	Determination of fibre in feedstuffs and food by oxidation hydrolysis method	SOP K3 (Commission Regulation (EC) No. 152/2009, Annex 3, chapter 1, Davídek et al. -LPAP page 61, Chemical analysis in agr. l., page 261)	Feedstuffs and vegetable materials, food
87 P1	Determination of FOS and TAC in digested biomass from biogas plants by titration	SOP O 13 (according to Hach-Lange)	Digested biomass from biogas plants
88 P1	Determination of pH-$CaCl_2$ in soil by potentiometry	SOP O 14 (JPP ÚKZÚZ AP1 chap. 2.3.1)	Soils
89 P1	Determination of C (TOC), H, N, S by means of GC–TCD analyzer	SOP O 9 (ČSN EN 13 137, ČSN EN ISO 16948)	Solid materials [5], sludge, waste
90 P1	Determination of morphine alkaloids by HPLC-DAD method	SOP P 10	Poppy, poppy straw
91* P1,P3	Determination of free and total chlorine in water by spectrophotometry using Spectroquant set and of bound chlorine by calculation	SOP V 40 (ČSN ISO 7393, Merck instructions)	Bathing, drinking and waste water
92 P1	Determination of turbidity	SOP V 41 (ČSN EN ISO 7027)	Drinking water

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
93 P1	Determination of odour and taste	SOP V 42 (TNV 75 7340)	Water
94* P1,P3	Determination of water temperature	SOP V 43 (ČSN 75 7342)	Water
95 P1	Determination of redox potential (ORP)	SOP V 46 (ČSN 75 7367)	Water
96* P1	Determination of ozone in water by means of commercial analytical set Spectroquant by spectrophotometry	SOP V 48 (Merck specification)	Ozonized water: drinking and bathing
97 E P1,2	Determination of velocity, volume flowrate and moisture of gas streams in ducts	SOP E 11 (ČSN ISO 10 780, ČSN EN 14790, ČSN ISO 8573-3)	Emissions Pressure gas
98 E P1,2	Determination of concentration of oxygen in emissions by paramagnetic method	SOP E 12 (ISO 10396, ČSN EN 14789)	Emissions
99* E P1,2	Determination of mass concentration of gaseous components in emissions by NDIR method (NO, NO_2, CO, SO_2)	SOP E 3 (ISO 10396, ČSN ISO 10849, ČSN EN 15058, ČSN ISO 7935)	Emissions
100 P1	Determination of gross calorific value and calculation of net calorific value	SOP AP 1 (ČSN ISO 1928, ČSN 65 6169, ČSN EN 15170, ČSN EN 14 918, ČSN EN 15 400, ČSN EN ISO 1716)	Solid fuels, biofuels, alternative fuels, sludge
101 P1	Determination of volatile combustible matter by gravimetric method	SOP AP 2 (ČSN 44 1351)	Solid fuels
102 P1	Determination of total sulphur content by ESCHKA method	SOP AP 3 (ČSN 44 1379)	Solid fuels
103 P1	Determination of nonionic surface-active agents by spectrophotometry	SOP V 44 (M. Horáková: Chemical and phys. methods of water analysis, 1986, chap. 2.42.5 ČSN ISO 7875-2)	Water
104_1 P1	Determination of hydrocarbons C10 – C40 by GC-FID method	SOP O 10a (ČSN EN 14039, ČSN EN ISO 9377-2)	Water
104_2 P1	Determination of hydrocarbons C10 – C40 by GC-FID method	SOP O 10b (ČSN EN 14039, ČSN EN ISO 9377-2)	Sediments, sludge, waste, soil,
105 P1	Determination of ethanedinitrile in water by GC-FID method	SOP V 52	Water

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
106* P1	Determination of vulcanization fumes in air by gravimetry	SOP E 4 (MDHS 47/2)	Air, working environment
107 P1	Determination of neutralizing capacity (ANC, BNC) by titration and determination of CO_2 by calculation	SOP V 45 (ČSN EN ISO 9963-1, ČSN 757372)	Water
108* E P1, P2	Determination of solid pollutants (and substances fixed to them) by gravimetry	SOP E 5 (ČSN EN 13284-1)	Emissions
109* E P1	Determination of concentration of odour substances by dynamic olfactometry	SOP E 6 (ČSN EN 13725)	Emission, immission Air
110* P1	Determination of gaseous inorganic compounds of chlorine by titration	SOP E 7 (ČSN EN 1911, ČSN 83 4751)	Emission Air
111* P1	Determination of sulphur oxides and sulphuric acid by spectrophotometry	SOP E 8 (ČSN 83 4711, ČSN EN 14 791)	Emission Air
112* E P1,2	Determination of mass concentration of nitrogen oxides (NOx) in emission by chemiluminescence method	SOP E 10 (ISO 10 396, ČSN EN 14 792)	Emissions
113* E P1,2	Quality assurance of automated measuring systems	SOP E 13 (ČSN EN 14 181)	Emission - automated measuring systems
114 E P1,2	Determination of the mass concentration of PCDD/F and PCB by calculation from measured values	SOP E 14 (ČSN EN 1948-1, ČSN EN 1948-4 + A1)	Emission Air
115 P1	Determination of oil content in gaseous sample	SOP E 15 (NIOSH 5026, ČSN ISO 8573-2, ČSN ISO 8573-5)	Emission, immission, working environment, pressure gas, air
116 P1	Determination of ozone by spectrophotometry	SOP E 16 (OSHA ID – 214)	Working environment, indoor and outdoor air, immission, air
117 P1	Determination of alkali hydroxides by titration	SOP E 17 (NIOSH 7401)	Working environment, Emission, immission air
118 P1	Determination of glyphosate and AMPA by in water by HPLC-FLD method	SOP V 53 (ČSN ISO 21458)	Water
119 P1	Determination of glyphosate and AMPA in plant material by HPLC-FLD method	SOP P 11 (AOAC 2000.52, ČSN ISO 21458)	Plant material

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
120 – 200	Reserved		
201 P1	Detection and enumeration of coliform bacteria in non-disinfected water by membrane filtration method	SOP MB 1 (ČSN 75 7837)	Surface and waste water
202 P1	Detection and enumeration of thermotolerant coliform bacteria and *Escherichia coli* by membrane filtration method	SOP MB 2 (ČSN 75 7835)	Surface and waste water
203 P1	Detection and enumeration of intestinal enterococci by membrane filtration method	SOP MB 3 (ČSN EN ISO 7899-2)	Drinking and surface water
204 P1	Detection and enumeration of mesophilic bacteria by direct inoculation in a meat-peptone agar	SOP MB 4 (ČSN 75 7841)	Drinking and surface water
205 P1	Detection and enumeration of psychrophilic bacteria by direct inoculation in a meat-peptone agar	SOP MB 5 (ČSN 75 7842)	Drinking and surface water
206 P1	Enumeration of coliforms - colony count technique	SOP MB 6 (ČSN ISO 4832)	Food, beverages, feedstuffs, areas
207 P1	Enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species) - Technique using Baird-Parker agar medium	SOP MB 7 (ČSN EN ISO 6888-1)	Food, beverages, pool water feedstuffs, areas
208 P1	Determination of presumptive *Bacillus cereus* by colony count technique at 30°C	SOP MB 8 (ČSN EN ISO 7932)	Food, beverages, feedstuffs, areas
209 P1	Detection and enumeration of *Clostridium perfringens* including spores by membrane filtration method	SOP MB 9 (Reg. MH 252/2004, Annex 6 as amended, valid as at the date of issue of this Appendix to CoA)	Drinking water
210 P1	Detection and enumeration of *Escherichia coli* and coliform bacteria by membrane filtration method	SOP MB 10 (ČSN EN ISO 9308-1)	Drinking and underground water
211 P1	Colony count by inoculation in a nutrient agar medium a) at 22 °C b) at 36 °C	SOP MB 11 (ČSN EN ISO 6222)	Drinking, underground and pool water
212_1 P1	Detection and enumeration of Legionella by direct and membrane filtration method	SOP MB 12 (ČSN ISO 11 731)	Drinking, hot and pool water

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
212_2 P1	Detection and enumeration of Legionella by direct and membrane filtration method	SOP MB 12 (ČSN ISO 11 731)	Working environment, indoor environment, outdoor and indoor air
213 P1	Detection and enumeration of *Escherichia coli* and coliform bacteria by Colilert® – 18/QT defined substrate method	SOP MB 13 (ČSN EN ISO 9308-2)	Drinking, process, waste and pool water
214_1 P1	Enumeration of yeasts and moulds. Colony count technique at 25 Degrees C	SOP MB 14 (ČSN ISO 21527-1, ČSN ISO 21527-2)	Food, feedstuffs, areas
214_2 P1	Enumeration of yeasts and moulds. Colony count technique at 25 Degrees C	SOP MB 14 (ČSN ISO 21527-1, ČSN ISO 21527-2)	Working environment, areas, indoor environment, outdoor and indoor air
215_1 P1	Enumeration of microorganisms. Colony count technique at 30 Degrees C	SOP MB 15 (ČSN EN ISO 4833-1, ČSN EN ISO 4833-2)	Food, feedstuffs
215_2 P1	Enumeration of microorganisms. Colony count technique at 30 Degrees C	SOP MB 15 (ČSN EN ISO 4833-1, ČSN EN ISO 4833-2)	Working environment, areas, indoor environment, outdoor and indoor air
216 P1	Detection and enumeration of *Pseudomonas aeruginosa* by membrane filtration method	SOP MB 16 (ČSN EN ISO 16266)	Water
217 P1	Detection and enumeration of enterococci by Enterolert™- E defined substrate method	SOP MB 17 (Enterolert™- E)	Drinking, process, waste and pool water
218 P1	Enumeration of Enterobacteriaceae by colony count technique	SOP MB 18 (ČSN ISO 21528-2)	Food, feedstuffs, areas, waste
219 P1	Enumeration of β-glucuronidase-positive Escherichia coli by - colony count technique at 44 degrees C	SOP MB 19 (ČSN ISO 16649-2)	Food, feedstuffs, areas, waste
220 P1	Determination of fungicidal efficiency of chemical disinfecting agents by quantitative suspension method	SOP MB 20 (ČSN EN 13624, ČSN EN 1657 ČSN EN 1275, ČSN EN 1650)	Chemical disinfecting and antiseptic agents
221 P1	Enumeration of plankton blue green algae in water	SOP MB 21 (ČSN 75 7717)	Surface water, bathing water
222 P1	Determination of bactericidal efficiency of chemical disinfecting agents by quantitative suspension method	SOP MB 22 (ČSN EN 1040, ČSN EN 1276, ČSN EN 13623, ČSN EN 1656, ČSN EN 13727)	Chemical disinfecting and antiseptic agents
223 P1	Verification of disinfecting efficiency of agents for the treatment of non-disinfected water	SOP MB 23 (Annex No. 4 to Regulation No. 409/2005 Coll.)	Chemical disinfecting and antiseptic agents

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
224 P1	Detection and identification of microbial contamination by specified and non-specified microorganisms - culture method	SOP MB 24 (ČSN ISO 18415, ČSN ISO 21148)	Cosmetic products, food, Feedstuffs, raw materials
225 P1	Enumeration and detection of aerobic mesophilic bacteria by culture method	SOP MB 25 (ČSN EN ISO 21149)	Cosmetics products
226 P1	Enumeration of yeasts and moulds by culture method	SOP MB 26 (ČSN EN ISO 16212)	Cosmetics products
227 P1	Detection of *Escherichia coli* by culture method	SOP MB 27 (ČSN EN 21150)	Cosmetics products
228 P1	Detection of *Staphylococcus aureus* by culture method	SOP MB 28 (ČSN EN ISO 22718)	Cosmetics products
229 P1	Detection of *Pseudomonas aeruginosa* by culture method	SOP MB 29 (ČSN EN ISO 22717)	Cosmetics products
230 P1	Detection of *Candida albicans* by culture method	SOP MB 30 (ČSN EN ISO 18416)	Cosmetics products
231 P1	Evaluation of the antimicrobial protection of a cosmetic product by culture method	SOP MB 31 (ČSN EN ISO 11930)	Cosmetics products
232 P1	Detection of *Salmonella* spp. by culture method	SOP MB 33 (ČSN EN ISO 6579, ISO 6579, ČSN ISO 19250, AHEM 1/2008 , Regulation No. 382/2001 Coll.)	Food, feedstuffs, areas, animal breeding environment, water, waste
233 – 300	Reserved		
301 P1	Test of acute lethal toxicity to a freshwater fish	SOP ET 1 (MP for the determination of ecotoxicity of waste - ME Bulletin, vol. XVII, part 4, April 2007; ČSN EN ISO 7346, OECD 203, Directive 67/548/EEC, as amended, valid as at the date of issue of this Appendix to CoA, Commission Reg. 440/2008 met C.1)	Water, extracts of waste and sediments, chemical substances and agents

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
302 P1	Test of acute lethal toxicity to a water arthropod	SOP ET 2 (MP for the determination of ecotoxicity of waste - ME Bulletin, vol. XVII, part 4, April 2007; ČSN EN ISO 6341, OECD 202, Directive 67/548/EEC, as amended, valid as at the date of issue of this Appendix to CoA, Commission Reg. 440/2008 met. C.2)	Water, extracts of waste and sediments, chemical substances and agents
303 P1	Test of inhibition of growth of green alga	SOP ET 3 (MP for the determination of ecotoxicity of waste - ME Bulletin, vol. XVII, part 4, April 2007; ČSN EN ISO 8692, OECD 201, Directive 67/548/EEC, as amended, valid as at the date of issue of this Appendix to CoA, Commission Reg. 440/2008 met. C.3)	Water, extracts of waste and sediments, chemical substances and agents
304 P1	Mustard root growth inhibition test	SOP ET 4 (MP for the determination of ecotoxicity of waste - ME Bulletin, vol. XVII, Part 4, April 2007)	Water, extracts of waste and sediments
305 P1	Bacterial test for the determination of the inhibitory effect on the light emission of *Vibrio fischeri*	SOP ET 5 (ČSN EN ISO 11348-3, DIN 38 412 – Section 34)	Water, extracts of waste and sediments, chemical substances and agents
306 P1	Biological degradability of organic compounds in an aqueous medium(Zahn-Wellens test)	SOP ET 6 (OECD 302B, ČSN EN ISO 9888, Commission Regulation 440/2008 met. C.9; Directive 67/548/EEC, as amended, valid as at the date of issue of this Appendix to CoA)	Water, extracts of waste, chemical substances and agents
307 P1	Determination of biological degradability of organic compounds by simulation test with activated sludge	SOP ET 7 (OECD 303A, ČSN EN ISO 11733, Regulation 440/2008 met.C.10, EC Regulation 648/2004)	Water, extracts of waste, chemical substances and agents

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
308 P1	Biological degradability of organic compounds in an aqueous medium (closed bottle test)	SOP ET 8 (OECD 301D, ČSN ISO 10 707, ISO 10 707, Commission Regulation 440/2008 met. C.4-E, Directive 67/548/EEC, as amended, valid as at the date of issue of this Appendix to CoA)	Water, extracts of waste, chemical substances and agents
309 P1	Biological degradability of organic compounds in an aqueous medium (test for CO_2 release)	SOP ET 9 (OECD 301 B, Regulation 440/2008 met. C.4-C)	Water, extracts of waste, chemical substances and agents
310 P1	Test of toxicity to Enchytraeidae	SOP ET 10 (ČSN EN ISO 16387, ISO 16387, Regulation 257/2009 Coll., OECD 220)	Soil, soil materials, sediments; chemical substances and agents
311 P1	Test of toxicity to Collembola	SOP ET 11 (ČSN EN ISO 11267, ISO 11267, Reg. 257/2009 Coll.)	Soil, soil materials, sediments; chemical substances and agents
312 P1	Test of inhibition of growth of higher plants - on salad	SOP ET 12 (ČSN EN ISO 11269-1, ISO 11269-1, Regulation 257/2009 Coll.)	Soil, soil materials, sediments; chemical substances and agents
313 P1	Determination of potential nitrification and inhibition of nitrification	SOP ET 13 (Reg. 257/2009 Coll., ČSN EN ISO 15685, ISO 15685)	Soil, soil materials, sediments
314 P1	Verification of efficiency of algicides for the treatment of non-disinfected water	SOP ET 14 (Annex No. 4 to Regulation No. 409/2005 Coll., ČSN EN ISO 8692)	Chemical disinfecting and antiseptic agents, algicides
315 – 400	Reserved		
401* P1	Measurement of sound power and emission levels of sound pressure	SOP F 1 (ČSN EN ISO 3746 ČSN EN ISO 3744, ČSN EN ISO 11201 ČSN EN ISO 11202 ČSN EN ISO 11203 ČSN EN ISO 11204 ČSN EN 61400-11 ED.2)	Emission, wind power plants
402* P1	Measurement of noise in working environment	SOP F 2 (ČSN EN ISO 9612 ČSN ISO 9612 ČSN ISO 1999 HEM-300-26.4.01-16344	Immission, noise in working environment

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Ordinal number 1)	Test procedure/ method name	Test procedure/ method identification	Tested object
403* P1	Measurement of noise in non-working environment	SOP F 3 (ČSN ISO 1996 – 1 ČSN ISO 1996-2 ČSN ISO 3891 HEM -300-11.12.01-34065 HEM-300-24.6.02-17877 HEM-62545/2010-OVZ-32.3-1.11.2010)	Immission, noise in non-working environment
404* P1	Measurement of daylight	SOP F 4 (ČSN 36 0011–1 ČSN 36 0011-2 ČSN 73 0580-1	Indoor environment
405* P1	Measurement of artificial lighting	SOP F 5 (ČSN 36 0011–1 ČSN 36 0011-3 ČSN EN 12464-1 ČSN EN 12464-2)	Indoor environment, outdoor environment
406* P1	Measurement of microclimatic conditions and parameters of air handling equipment	SOP F 6 (ČSN EN ISO 7726 ČSN ISO 10780 ČSN EN 12599 ČSN EN 14790)	Indoor and working environment, air ducts
407* P1	Measurement of vibration	SOP F 7 (ČSN EN ISO 5349-1 ČSN EN ISO 5349-2 ČSN ISO 2631-1 ČSN ISO 2631-2 HEM-300-26.4.01-16344)	Vibrating objects
408* P1	Measurement of sound insulation	SOP F 8 (ČSN EN ISO 140-4 ČSN EN ISO 140-5)	Building structures and buildings
409* P1	Measurement of reverberation time	SOP F 9 (ČSN EN ISO 3382-1, p. 5.2, ČSN EN ISO 3382-2)	Rooms and halls

Explanations:

1) P1, P2 P3 at the ordinal number identifies the Laboratory location carrying out the test.
Asterisk* at the ordinal number identifies the tests performed outside/also outside the laboratory premises
2) absorption solutions, condensates
3) filters
4) acidic extracts within the scope of Regulation No. 13/1994 Coll.
5) solid materials: debris, building materials, fertilizers, feedstuffs, solid fuels, soils, sludge, sediments, waste, textiles
6) aqueous extracts within the scope of Regulation No. 294/2005 Coll.,
7) extracts in saline solutions for agricultural purposes

Water: all types of water except bottled water and purified water according to Czech Pharmacopoeia, aqueous solutions
Emission: Waste gas containing pollutants released in a controlled manner or leaking into atmosphere from sources of pollution
Working environment means the air at a workplace.
Air: working air, outdoor air, indoor air, immissions
Pressure gas: pressure gas in air handling ducts, gas in pressure cylinders, biogas

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Annex:
Flexible scope of accreditation

Ordinal numbers of tests
1 – 17_2, 19 – 29, 34 – 50, 54 – 104_2, 116-117, 401 - 409

The laboratory can modify the test methods specified in the Annex within the scope of accreditation provided the measuring principle is observed.

The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

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Specification of substances or parameters determined within a test procedure

Ordinal Test number	List of determined substances or parameters
15	Chloroform, bromoform, dibromochloromethane, bromodichloromethane, benzene, toluene, o-xylene, m-xylene, p-xylene, trichloroethene, tetrachloroethene, chlorobenzene, p-dichlorobenzene, o-dichlorobenzene, 1,2-dichloroethane, 1,2-cis-dichloroethene, 1,2-trans-dichloroethene, styrene, tetrachloromethane, ethylbenzene, n-hexane, 1,1-dichloroethene, 1,1,1-trichloroethane, dichloromethane, vinylchloride; sum of BTX by calculation from measured values
16	Aniline, 2,3-dichloroaniline, 2,4-dichloroaniline, 2,5-dichloroaniline, 2,6-dichloroaniline, 3,4-dichloroaniline, 3,5- dichloroaniline, 2,4,6-trimethylaniline
23	PAH: Naphthalene, acenaphthene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(ah)anthracene, benzo(ghi)perylene, indeno(1,2,3-d)pyrene; sum of PAH by calculation from measured values
30	Dibutyl-phthalate (DBP), di(2-ethylhexyl)- phthalate (DEHP);
31	Dibutyl- phthalate (DBP), di(2-ethylhexyl)- phthalate (DEHP);
35_1.1	Ag, Al, Ba, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Zn, Ti, Sr, W
35_1.2	As, Ba, Be, Cd, Pb, Sb, Se, Sn, Tl, V
35_2.1	Ag, Al, Ba, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Zn, Ti, Sr, W
35_2.2	As, Ba, Be, Cd, Pb, Sb, Se, Sn, Tl, V
35_3.1	Ag, Al, Ba, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Zn, Ti, Sr, W
35_3.2	As, Ba, Be, Cd, Pb, Sb, Se, Sn, Tl, V
36	Benzene, toluene, o-xylene, m-xylene, p-xylene, ethylbenzene, chlorobenzene, p-dichlorobenzene, o-dichlorobenzene, chloroform, 1,2-cis-dichloroethene, 1,2-trans-dichloroethene, 1,2-dichloroethane, bromoform, dibromochloromethane, bromodichloromethane trichloroethene, tetrachloroethene, styrene, n-hexane, 1,1-dichloroethene, 1,1,1-trichloroethane, dichloromethane, tetrachloromethane; sum of BTX by calculation from measured values
39	OCP: hexachlorobenzene, lindane, 4,4'-DDT, 4,4'-DDE, aldrin, methoxychlor, heptachlor; PCB: congeners 28, 52, 101, 118, 138, 153, 180; sum of PCB by calculation from measured values
40	PAH: Naphthalene, acenaphthene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(ah)anthracene, benzo(ghi)perylene, indeno(1,2,3-d)pyrene; sum of PAH by calculation from measured values
41	Benzene, toluene, o-xylene, m-xylene, p-xylene, ethylbenzene, methanol, ethanol, isopropanol, isobutanol, n-butanol, 1-metoxy-2-propanol, isobutyl acetate, n-butyl acetate, methyl acetate, ethyl acetate, acetone, methyl-iso-butyl ketone, ethyl methyl ketone, 1,1-dichloroethene, 1,2-cis-dichloroethene, 1,2-trans-dichloroethene, dichloromethane, 1,2-dichloroethane, chloroform, tetrachloromethane, trichloroethene, tetrachloroethene chlorobenzene, p-dichlorobenzene, o-dichlorobenzene, carbon disulphide, pentane, n-hexane, 2-ethoxyethanol, 2-butoxyethanol, styrene, petrols, methane, methylmethacrylate; sum of BTX by calculation from measured values
46_1	Ag, Al, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, V, Zn
46_2	Ag, Al, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, V, Zn
46_3	Ag, Al, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, V, Zn
46_4	Ag, Al, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, V, Zn
55	Methanol, n-propanol, i-propanol, n-butanol, i-butanol, 2-butanol, acetone, acetaldehyde, amyl alcohols
56	Phthalates: dimethylphthalate, diethylphthalate, di-n-butylphthalate, butylbenzylphthalate, di-n-octylphthalate

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59_1	Atrazin, simazin, terbutylazin, prometryn
59_2	Atrazin, simazin, terbutylazin, prometryn
61	oxygen, ozone, carbon monooxide, carbon dioxide, sulphur dioxide, hydrogen sulphide, methyl sulphide, nitrogen oxides, phenol, formaldehyde, 2-methyl-5-chloroaniline, 4-chloroaniline, aniline, azido hydrogen, phosgene, n-ethylaniline, nitrobenzene, o-dichlorobenzene
65	Carbonyl: formaldehyde, acetaldehyde, acrolein, propionaldehyde, acetone, butyraldehyde, benzaldehyde
66	PAH: Naphthalene, acenaphthene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(ah)anthracene, benzo(ghi)perylene, indeno(1,2,3-d)pyrene; sum of PAH by calculation from measured values
67	Nitrogen monoxide, nitrogen dioxide
69	Diisocyanate: 2,4-toluendiisocyanate, 2,6-toluendiisocyanate, 1,6-hexymethylendiisocyanate, 4,4'-methylendiisocyanate
74	Organic acids: formic, lactic, acetic, propionic, butyric, valeric and citric acid
90	Morphine
112	Nitrogen monoxide, nitrogen dioxide
406	Air temperature, humidity, flow rate

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Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification	Sampled object
1 P1	Sampling of water from water reservoirs	SOP VZ 01 (ČSN ISO 5667 - 4)	Surface water
2 P1,3	Sampling of drinking and hot water and water used in production of food and beverages	SOP VZ 02 (ČSN EN ISO 19 458, ČSN ISO 5667-5, MoH Regulation No. 252/2004 Coll.)	Drinking and hot water
3 P1	River and stream water sampling	SOP VZ 03 (ČSN ISO 5667 - 6)	Surface water
4 P1,2,3	Waste water and liquid waste sampling - manual and by automatic sampler	SOP VZ 04 (ČSN ISO 5667 – 10, ME Guideline of 5/2002)	Waste water, liquid waste
5 P1	Underground water sampling from wells by submersible pump	SOP VZ 05 (ČSN ISO 5667 - 11, ČSN ISO 5667 - 18)	Ground water
6 P1	Bathing water sampling	SOP VZ 06 (Reg. MoH No. 238/2011 Coll., ČSN EN ISO 5667-1, ČSN EN ISO 19458)	Water from pools, saunas, artificial and natural bathing places
7 P1,2,3	Sampling of soils, sediments and waste water treatment plant sludge	SOP VZ 07 (ČSN 46 5331, ČSN 01 5110, ČSN EN ISO 5667 - 12, ČSN EN ISO 5667 - 13)	Soils, sediments, sludge
8 P1	Sampling in working environment to determine dust content, aerosols, including asbestos and fibres	SOP VZ 08 (ČSN EN 482, ČSN EN 689, ČSN EN ISO 16000-1, ČSN EN ISO 16000-7, Gov. reg. No. 361/2007 Coll., Annex No. 3, VDA 19.1, VDA 19.2)	Working environment, indoor environment, outdoor and indoor air
9 P1	Sampling in working environment for the determination of gases and vapours	SOP VZ 09 (ČSN EN 482, ČSN EN 689, ČSN EN ISO 16000-1)	Working environment, indoor environment, outdoor and indoor air
10 E P1,2	Air sampling into bags	SOP VZ 10 (ČSN EN 482, ČSN EN 689, ČSN EN 13725)	Emissions
11 E P1,2	Gas and vapour sampling by absorption into liquid	SOP VZ 11	Emissions
12 E P1,2	Sampling of persistent organic substances by filtration-condensation method	SOP VZ 12 (ČSN EN 1948 – 1)	Emission, working environment
13 E P1,2	Sampling of substances by catching on a solid sorbent	SOP VZ 13 (ČSN EN 13649, ČSN EN ISO 16017 – 1)	Emissions

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Ordinal number	Sampling procedure name	Sampling procedure identification	Sampled object
14 E P1,2	Sampling of particulate pollutants, aerosols and substances fixed to them, including metals (sampling with automatic or manual isokinetic control)	SOP VZ 14 (ČSN ISO 9096, ČSN EN 13284-1, ČSN EN 14385, ČSN EN 13211)	Emissions
15 P1,3	Sampling of materials from heaps and containers	SOP VZ 15 (MP ME, March 2008, TNI CEN/TR 15310)	Solid materials [5)] (heaps, containers)
16 P1	Sampling of soil air using driving probes and sampling bell	SOP VZ 16 (MP MŽP 2012 – Contamination indicators, Sampling of soil air soils for stan. TOL –VŠCHT Praha - Skripta Janků, Čermák 1992)	Soil air, biogas
17 P1	Sampling of air on culture medium for microbiological determinations	SOP VZ 17 (Reg. 6/2003 Sb., AHEM 1/2002)	Working environment, indoor environment, outdoor and indoor air
18 P1	Sampling of pressure gas for the purpose of checking its quality	SOP VZ 18 (ČSN ISO 8573)	Pressure gas
19 P1	Sampling by smear method for microbiological and other tests	SOP VZ 19 (ČSN ISO 18593, NIOSH 9102)	Walls, surfaces

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Explanations:

AAS	Atomic Absorption Spectrometry
AHEM	Acta Hygienica, Epidemiologica et Microbiologica (source: SZÚ Praha)
AOX	Adsorbable Organically Bound Halogens
BSK	Biological Oxygen Demand
CFA	Continuous Flow Analysis
DOC	Dissolved Organic Carbon
ECD	Electron Capture Detector
EEC	European Economic Community
EPA	Environmental Protection Agency (USA)
EOX	Extractable Organically Bound Halogens
FID	Flame Ionization Detector
FLD	Fluorescence Detector
FOS	Volatile Organic Acids
FTIR	Fourier Transformation Infrared Spectrometry
GC	Gas Chromatography
HEM	documents issued by Chief Hygienist of the Czech Republic
HPLC	High-Performance Liquid Chromatography
CHSK	Chemical Oxygen Demand
ICP-OES	Inductively Coupled Plasma Optical Emission Spectrometry
ISE	Ion Selective Electrode
ITP	Isotachophoresis
MP	guideline
MS	Mass Detector
MH	Ministry of Health
ME	Ministry of Environment
NEL	Nonpolar Extractives
NDIR	Non-Dispersive Infrared Analyser
NIOSH	The National Institute for Occupational Safety and Health
OCP	Organochlorine Pesticides
OECD	Organisation for Economic Cooperation and Development
OSHA	European Occupational Safety and Health Agency
PAH	Polyaromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
DIS	Dissolved Inorganic Salts
SOP	Standard Operating Procedure – a procedure based on standards or other equivalent sources (technical publications, firm procedures)
STN	Slovak Technical Standard
TCD	Thermal Conductivity Detector
TNV	Branch Technical Standard of Water Management
TOC	Total Organic Carbon

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