**The Appendix is an integral part of**
**Certificate of Accreditation No. 683/2023 of 19/12/2023**

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

**LABTECH s.r.o.**
CAB number 1147, Testing Laboratory
Polní 340/23, Štýřice, 639 00 Brno

**Testing laboratory locations:**

| | | |
|---|---|---|
| 1. | **Testing Laboratory Brno** | **Polní 340/23, 639 00 Brno** |
| 2. | **Testing Laboratory Paskov** | **Rudé Armády 637, 739 21 Paskov** |
| 3. | **Testing Laboratory for Noise and Vibrations, Working Environment** | **Rudé Armády 637, 739 21 Paskov** |
| 4. | **Hygienic Laboratory Klatovy** | **Pod Nemocnicí 683, 339 01 Klatovy** |
| 5. | **Laboratory ÚNS Kutná Hora** | **Vítězná 422, 284 03 Kutná Hora** |

*The laboratory applies a flexible approach to the scope of accreditation.*

*The current list of activities carried out within the flexible scope is publicly available on the laboratory's website http://labtech.eu/laboratore/flexibilni-rozsah-akreditace/ in the form „List of activities within the flexible scope of accreditation".*

*The laboratory provides opinions and interprets test results.*

*Detailed information on activities within the scope of accreditation (determined analytes / source literature) is given in the section „Specification of the scope of accreditation".*

**Tests:**

| Ordinal number[1] | Test procedure / method name | Test procedure / method identification[2] | Subject of the test | Degrees of freedom[3] |
|---|---|---|---|---|
| **1** | **Electrochemical methods** | | | |
| 1.1*[1,2,4,5] | Determination of pH by potentiometry | SOP: ECH 01A (ČSN ISO 10523) | Water, special water, extracts | A |
| 1.2[1] | Determination of pH by potentiometry | SOP: ECH 01B (ČSN EN 12176:1999; ČSN 46 5735; ČSN EN ISO 10390; ČSN EN 15933:2013) | Solid matrices | A |
| 1.3[1,2,4,5] | Determination of electrical conductivity | SOP: ECH 02 (ČSN EN 27888) | Water, special water, extracts | A |
| 1.4[1,4] | Determination of fluoride by electrochemical method (ISE) | SOP: ECH 03 (ČSN ISO 10359-1; ČSN ISO 10359-2) | Water, extracts, absorption solutions | A |
| 1.5[1] | Determination of fluorine by electrochemical method (ISE) | SOP: ECH 04 (ČSN ISO 10359-1; JPP ÚKZÚZ 03) | Solid matrices, raw materials | A |
| 1.6[1,2,4,5] | Determination of biochemical oxygen demand after n days ($BOD_n$) by oxygen probe | SOP: ECH 06 (ČSN EN ISO 5815-1; ČSN EN 1899-2) | Water, special water | A |

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| Ordinal number[1] | Test procedure / method name | Test procedure / method identification[2] | Subject of the test | Degrees of freedom[3] |
|---|---|---|---|---|
| 1.7[1,5] | Determination of adsorbable organic halides (AOX) by microcoulometry | SOP: ECH 07A (ČSN EN ISO 9562; TNI 75 7531) | Water, extracts | A |
| 1.8[1,5] | Determination of adsorbable organic halides (AOX) by microcoulometry | SOP: ECH 07B (ČSN EN 16166; DIN 38414-S18) | Solid matrices | A |
| 1.9[1] | Determination of extractable organically bound halogens (EOX) by microcoulometry | SOP: ECH 08 (NEN 6402) | Water, extracts | A |
| 1.10[1] | Determination of extractable organically bound halogens (EOX) and total chlorine (TX) by microcoulometry | SOP: ECH 09 (DIN 38414-S17; U.S. EPA 9076; ČSN EN ISO 16994; EN ISO 16994; ČSN EN 15408) | Solid matrices, raw materials, solid biofuels | A |
| 1.11*[1,4,5] | Determination of redox potential by electrochemical method | SOP: ECH 11 (DIN 38 404-6; ČSN 75 7367) | Pool water, bathing water, ground water | A |
| 1.12*[1,2,4,5] | Determination of temperature | SOP: ECH 15 (ČSN 75 7342) | Water, special water, extracts | A |
| 1.13*[1,2,4] | Determination of temperature and water content | SOP: ECH 16 (ČSN ISO 8573-3; Greisinger manual) | Gaseous mixtures | A |
| **2** | **Gravimetric methods** | | | |
| 2.1[1,2,4,5] | Determination of dissolved solids (RL), dissolved inorganic salts (RAS), loss on ignition of dissolved solids (ZŽRL), suspended solids (NL), total solids (VL), loss on ignition of suspended solids (ZŽNL) and annealing residue of suspended solids (ZbŽNL) by gravimetry | SOP: GRA 01 (ČSN 75 7346; ČSN EN 872; ČSN 75 7347; ČSN 75 7350) | Water, special water, extracts | A, B |
| 2.2[1,2,4,5] | Determination of dry matter, water content by gravimetry | SOP: GRA 03A (ČSN 72 0102; ČSN ISO 11465; ČSN EN 12880; ČSN EN 14346:2007; ČSN EN 480-8; | Solid matrices, silicates, raw materials | A |

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| Ordinal number[1] | Test procedure / method name | Test procedure / method identification[2] | Subject of the test | Degrees of freedom[3] |
|---|---|---|---|---|
| | | Dalibor Weis et al.: Methods of chemical analysis of mineral raw materials, Prague 1983; ČSN EN 15934) | | |
| 2.3[1] | Determination of dry matter, water content by gravimetry | SOP: GRA 03B (ČSN 57 0105; ČSN 57 0107; ČSN 57 0106; ČSN EN ISO 5534; ČSN 56 0232; ČSN ISO 7513; ČSN EN 12145) | Food, food raw materials | A |
| 2.4[1,2,5] | Determination of combustibles, ash by gravimetry | SOP: GRA 04A (ČSN 46 5735; ČSN EN 12879:2001; ČSN 44 1358; ČSN EN 15169:2007; ČSN 73 6133; ČSN EN 15403:2011; ČSN EN 15935) | Solid matrices, raw materials | A |
| 2.5[1] | Determination of combustibles, ash by gravimetry | SOP: GRA 04B (ČSN 56 0240-9; ČSN EN 1135; ČSN 56 0232; ČSN ISO 1576; ČSN 58 0112) | Food, food raw materials | A |
| 2.6[1,5] | Determination of the loss of ignition by gravimetry | SOP: GRA 05 (ČSN 72 0103; ČSN 72 0100; Dalibor Weis et al.: Methods of chemical analysis of mineral raw materials, Prague 1983) | Silicates | A |
| 2.7[4] | Determination of carbon dioxide by gravimetry and content of calcium carbonate and impurities by calculation from measured values | SOP: GRA 06 (ČSN EN 196-2) | Raw materials, lime, limestone | - |

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|---|---|---|---|---|
| 2.8[4] | Determination of total dust and TZL by gravimetry | SOP: GRA 08 (ČSN EN 481; ČSN EN 13284-1; Government Regulation No. 361/2007 Coll.) | Exposed filters | - |
| 2.9[4] | Determination of alcohol by pycnometry | SOP: GRA 09 (EBC 9.2.1; Commission Regulation (EC) No. 2870/2000 | Alcoholic beverages, beer | - |
| 2.10[4] | Determination of extract and evaporation residue of liquid sample by pycnometry and energy value by calculation from measured values | SOP: GRA 10 (ČSN 56 0186; EBC 9.4; EBC 9.4.5) | Beer, sweetwort, wort, non-alcoholic and alcoholic beverages | - |
| 2.11[4] | Determination of total migration by gravimetry | SOP: GRA 11 (ČSN EN 1186-1) | Extracts of PBU, packaging and packaging materials, | - |
| 2.12[4] | Determination of condensable components (fogging) by gravimetric method | SOP: GRA 12 (PV 3015) | Vehicle interior materials | A |
| 2.13[1,3,4] | Determination of mass concentration of inhalable and respirable fraction of dust by gravimetry | SOP: GRA 13 (ČSN EN 481; ČSN EN 482; ČSN EN 689+AC; Government Regulation No. 361/2007 Coll.) | Working air | - |
| 2.14[2] | Determination of moisture content by gravimetry | SOP: GRA 14 (ČSN EN 14790; ČSN EN ISO 11541) | Gaseous mixtures | - |
| 2.15[2] | Determination of particle size distribution by sieving analysis by gravimetry | SOP: GRA 15 (ČSN EN 933-1; EN 16811-1) | Solid matrices, raw materials | A |
| 2.16[1] | Determination of fats and oils by gravimetry | SOP: GRA 17 (ČSN 75 7509) | Waste water | A |
| 2.17[4] | Determination of sugars by gravimetry | SOP: GRA 18 (ČSN 56 0210) | Spirits, wine | A |
| **3** | **Element analysis** | | | |
| 3.1[1,5] | Determination of Hg by AAS method using AMA analyzer | SOP: AAS 06-07 (ČSN 46 5735; JPP ÚKZÚZ 03; ČSN 75 7440; ČSN EN 71-3:1996; ČSN EN ISO 16968; EN ISO 16968) | Water, special water, extracts, solid samples, raw materials, solid biofuels, waste, food, toys, biological material, absorption solutions, working air, exposed filters | A |

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| Ordinal number[1] | Test procedure / method name | Test procedure / method identification[2] | Subject of the test | Degrees of freedom[3] |
|---|---|---|---|---|
| 3.2[1] | Determination of elementary impurities by ICP-MS method | SOP:FAR 00<br>(ICH Q3d;<br>Ph.Eur 2.2.58) | Pharmaceutical preparations and raw materials, medicines | A, B, D |
| 3.3[1,5] | Determination of elements by ICP-OES method and their oxides by calculation from measured values | SOP: ICP 02<br>(ČSN EN ISO 11885) | Water, special water, extracts, absorption solutions | A, B, D |
| 3.4[1] | Determination of elements by ICP-MS method | SOP: ICP 03A<br>(ČSN EN ISO 17294-1;<br>ČSN EN ISO 17294-2) | Water, special water, extracts, absorption solutions | A, B, D |
| 3.5[1] | Determination of elements by ICP-MS method | SOP: ICP 03B<br>(ČSN EN ISO 17294-1;<br>ČSN EN ISO 17294-2;<br>ČSN 46 5735;<br>ČSN EN 1388-1;<br>ČSN EN 1388-2;<br>ČSN EN 13346:2001;<br>ČSN EN 14385;<br>ČSN CR 13695-1;<br>ČSN EN ISO 16968;<br>EN ISO 16968;<br>Ph.Eur 2.2.58) | Solid matrices, oil, colours, toys, packaging, exposed filters, raw materials, solid biofuels, pharmaceutical preparations and raw materials | A, B, D |
| 3.6[1] | Determination of elements by ICP-MS method | SOP: ICP 03C<br>(ČSN EN ISO 17294-1;<br>ČSN EN ISO 17294-2;<br>ČSN 56 0065) | Food, food raw materials | A, B, D |
| 3.7[1,5] | Determination of elements by ICP-OES method | SOP: ICP 04A<br>(ČSN EN ISO 11885;<br>ČSN 46 5735;<br>ČSN EN 1388-1;<br>ČSN EN 1388-2;<br>ČSN EN 13346:2001;<br>ČSN CR 13695-1;<br>ČSN EN 71-3:1996;<br>ČSN EN 14385;<br>ČSN EN 196-2;<br>ČSN EN ISO 16968;<br>EN ISO 16968;<br>ČSN EN 480-12) | Solid matrices, raw materials, concrete additives and other[4] | A, B, D |

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| Ordinal number[1] | Test procedure / method name | Test procedure / method identification[2] | Subject of the test | Degrees of freedom[3] |
|---|---|---|---|---|
| 3.8[1] | Determination of elements by ICP-OES method | SOP: ICP 04B (ČSN EN ISO 11885; ČSN 56 0065) | Food, food raw materials | A, B, D |
| 3.9[1,5] | Determination of elements by ICP-OES method and their oxides by calculation from measured values | SOP: ICP 05 (ČSN EN ISO 11885; ČSN 72 0101) | Raw materials, ceramics | A, B, D |
| **4** | **Sensory assessment** | | | |
| 4.1*[1,2,4,5] | Preliminary assessment of odour and flavour | SOP: SEN 01 (ČSN 75 7340; ČSN EN 1622) | Drinking water | A |
| 4.2[4] | Determination of odour | SOP: SEN 02 (ČSN EN 1622; VW3920, VDA 270) | Vehicle interior materials | A |
| 4.3[4] | Sensory analysis | SOP: SEN 03 (ČSN 77 0226; ČSN ISO 13302; AHEM No. 13/1982) | Products in contact with food | A |
| 4.4[2] | Determination of colour - by visual | SOP: SEN 04 (ČSN EN ISO 7887) | Water, special water | A |
| 4.5[4] | Sensory assessment of odour and flavour | SOP: SEN 05 (ČSN EN 1622; ČSN 75 7340) | Water, extracts of PSV | A |
| **5** | **Silicate analysis** | | | |
| 5.1[1] | Determination of $SiO_2$ by gravimetric method | SOP: SIL 02 (ČSN 72 0105-1; ČSN 72 0106; ČSN EN 196-2 ) | Silicates, raw materials | - |
| 5.2[1] | Determination of acid-indecomposable share by gravimetric method | SOP: SIL 05 (ČSN 72 0107; ČSN EN 196-2) | Silicates, raw materials | - |
| 5.3[5] | Determination of FeO by titration | SOP: SIL 10 (ČSN 72 0111; Dalibor Weis et al.: Methods of chemical analysis of mineral raw materials, Prague 1983) | Silicates | A |
| 5.4[1] | Determination of sulphate sulphur by gravimetric method | SOP: SIL 16 (ČSN 72 0117; ČSN EN 196-2; ČSN EN 1744-1+A1) | Soil, silicates, raw materials | - |

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| Ordinal number[1] | Test procedure / method name | Test procedure / method identification[2] | Subject of the test | Degrees of freedom[3] |
|---|---|---|---|---|
| 5.5[1] | Determination of total sulphur by gravimetric method | SOP: SIL 17 (ČSN 72 0118; ČSN EN 1744-1+A1) | Silicates, raw materials | A |
| 5.6[1] | Determination of carbonates by volumetric method | SOP: SIL 19 (ČSN 72 1022) | Soil, silicates | A |
| 5.7[1] | Determination of organic substances as total C by titration | SOP: SIL 20 (ČSN 72 1021) | Soil, silicates | A |
| 5.8[5] | Determination of total sulphur after decomposition by sintering by ion chromatography | SOP: SIL 23 (Dalibor Weis et al.: Methods of chemical analysis of mineral raw materials, Prague 1983) | Silicates | A |
| 5.9[1] | Determination of free CaO by titration | SOP: SIL 24 (ČSN EN 451-1) | Silicates, raw materials | - |
| 5.10[5] | Determination of fluoride after decomposition by sintering by ion chromatography | SOP: SIL 25 (Dalibor Weis et al.: Methods of chemical analysis of mineral raw materials, Prague 1983) | Silicates | A |
| **6** | **Spectrophotometric methods** | | | |
| 6.1[1,5] | Determination of total and easily liberatable cyanides by spectrophotometry | SOP: SPE 01-02 (ČSN ISO 6703-1:1995, ČSN 75 7415; ČSN ISO 6703-2) | Water, special water, extracts, absorption solutions | A |
| 6.2[5] | Determination of absorbance by spectrophotometry | SOP: SPE 03 (ČSN 75 7360) | Drinking, ground, bottled water | A, B |
| 6.3[1,4,5] | Determination of total phosphorus and phosphate by spectrophotometry | SOP: SPE 04 (ČSN EN ISO 6878) | Water, special water, extracts | A |
| 6.4[2] | Determination of phosphates by spectrophotometry | SOP: SPE 04P (ČSN EN ISO 6878) | Water, special water, extracts | A |
| 6.5[1,4,5] | Determination of colour by spectrophotometry | SOP: SPE 07A (ČSN EN ISO 7887) | Water | A |
| 6.6[1,2,4,5] | Determination of turbidity by nephelometry | SOP: SPE 07B (ČSN EN ISO 7027-1) | Water, special water | A |
| 6.7[1,4,5] | Determination of nitrate by spectrophotometry and nitrate nitrogen by calculation from measured values | SOP: SPE 08 (ČSN ISO 7890-3) | Water, special water, extracts | A |

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| Ordinal number[1] | Test procedure / method name | Test procedure / method identification[2] | Subject of the test | Degrees of freedom[3] |
|---|---|---|---|---|
| 6.8[1,4,5] | Determination of nitrite by spectrophotometry and nitrite nitrogen by calculation from measured values | SOP: SPE 09 (ČSN EN 26777) | Water, special water, extracts | A |
| 6.9[1,5] | Determination of anionic surfactants by spectrophotometry | SOP: SPE 10 (ČSN EN 903) | Water, special water, extracts | A |
| 6.10[1,2,4] | Determination of hexavalent chromium by spectrophotometry | SOP: SPE 11 (ČSN ISO 11083) | Water, special water, extracts, extracts from exposed filters, absorption solutions | A |
| 6.11[1,2,5] | Determination of ammonium by spectrophotometry ammonia nitrogen by calculation from measured values | SOP: SPE 12 (ČSN ISO 7150-1) | Water, special water, extracts, absorption solutions | A |
| 6.12[1,4] | Determination of humic substances by spectrophotometry | SOP: SPE 14 (ČSN 75 7536) | Water | A |
| 6.13[1,2,5] | Determination of univalent phenols by spectrophotometry | SOP: SPE 15 (ČSN ISO 6439; ČSN 83 0530-33:1980) | Water, special water, extracts, absorption solutions | A |
| 6.14[1] | Determination of sulphide and sulfane by spectrophotometry | SOP: SPE 16 (ČSN ISO 10530) | Water, special water, extracts, mineral waters | A, D |
| 6.15[1,5] | Determination of total and easily liberatable cyanides by spectrophotometry | SOP: SPE 17-18 (ČSN ISO 6703-2; ČSN 75 7415) | Solid matrices, raw materials | A |
| 6.16*[1,2,4,5] | Determination of free and total chlorine by spectrophotometry with DPD including the use of Merck / HACH / Eutech / Hanna commercial analytical kits, and bound chlorine by calculation from measured values | SOP: SPE 22 (ČSN EN ISO 7393-2; Merck/ HACH/ Eutech/ Hanna manual) | Water, aqueous solutions of disinfectants | A |
| 6.17[1,4,5] | Determination of total nitrogen by spectrophotometry after oxidation mineralization | SOP: SPE 23 (ČSN EN ISO 11905-1) | Water, special water, extracts | A |

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| Ordinal number[1] | Test procedure / method name | Test procedure / method identification[2] | Subject of the test | Degrees of freedom[3] |
|---|---|---|---|---|
| 6.18[1,2,4,5] | Determination of total organic carbon (TOC) and dissolved organic carbon (DOC) by NDIR method | SOP: SPE 24A (ČSN EN 1484) | Water, special water, extracts | A |
| 6.19[1] | Determination of total, inorganic and total organic carbon by NDIR method | SOP: SPE 24B (ČSN EN 13639; ČSN EN 15936; ČSN ISO 10694) | Solid matrices | A |
| 6.20[1,4,5] | Determination of chemical oxygen demand using potassium dichromate ($COD_{Cr}$) by spectrophotometry including the use of Merck/HACH commercial analytical kits | SOP: SPE 25 (ČSN ISO 15705) | Water, process water, extracts | A |
| 6.21[4] | Determination of chlorine dioxide by spectrophotometry with HACH commercial analytical kit | SOP:SPE 27 (HACH manual) | Drinking water, pool water | - |
| 6.22*[1,4] | Determination of ozone by spectrophotometry using HACH commercial analytical kit | SOP: SPE 28 (HACH manual) | Drinking water, pool water, bathing water | - |
| 6.23[4] | Determination of sulphate by spectrophotometry | SOP: SPE 29 (U.S.EPA 375.4) | Drinking, raw, ground, surface water, extracts | A |
| 6.24*[1,2,4,5] | Determination of dissolved oxygen by luminescence method using probe | SOP: SPE 30 (ČSN EN ISO 5814; HACH LANGE manual; ČSN ISO 17289) | Water, special water | A |
| 6.25[4] | Determination of trichloramine by spectrophotometry | SOP: SPE 31 (Hery M. et al. Ann.occup.Hyg. 39, 427-439:1995) | Indoor air | - |
| 6.26[1,4] | Determination of ions by CFA method, determination of nitrogen forms ($N\text{-}NH_4^+$, $N\text{-}NO_2^-$, $N\text{-}NO_3^-$) by calculation from measured values | SOP: SPE 32 (ČSN EN ISO 11732; ČSN EN ISO 13395; ČSN ISO 6332; ČSN ISO 22743; ČSN ISO 16265; ČSN EN ISO 14403-2; ČSN EN ISO 15682) | Water, extracts, absorption solutions | A, B, D |

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|---|---|---|---|---|
| 6.27[4] | Determination of migration of primary aromatic amines by spectrophotometry | SOP: SPE 33 (ČSN EN 13130-1; AHEM No. 32, page 27, 1976) | Extracts of PBU and PSV | - |
| 6.28[4] | Determination of migration of free formaldehyde by spectrophotometry | SOP: SPE 34 (ČSN EN ISO 14184-1; PV 3925) | Extracts of PBU and PSV, vehicle interior materials | - |
| 6.29[2] | Determination of ammonia by spectrophotometry | SOP: SPE 36 (ČSN 83 4728-4; ČSN 38 5535:1968) | Gaseous mixtures | - |
| 6.30[2] | Determination of sulfane by spectrophotometry | SOP: SPE 37 (ČSN 38 5574:1993; ČSN 83 4712-4) | Gaseous mixtures | - |
| 6.31[2,5] | Determination of univalent phenols by spectrophotometry | SOP: SPE 38 (Sedláček M. et al. Sludge analysis and solid waste analysis methods) | Solid matrices | A |
| 6.32[4] | Determination of ammonia by CFA method | SOP: SPE 39 (NIOSH 6015, Issue 2) | Workplace air | - |
| 6.33[4] | Determination of total and easily liberatable cyanides by CFA method | SOP: SPE 41 (DIN ISO 11262; ČSN EN ISO 17380) | Solid matrices, raw materials | A |
| 6.34[4] | Determination of ozone by spectrophotometry | SOP: SPE 42 (OSHA ID-214) | Workplace air | - |
| 6.35[5] | Determination of fluoride by spectrophotometry | SOP: SPE 44 (ČSN 83 0520-17:1977) | Water, special water, extracts | A |
| 6.36[5] | Determination of total phosphorus by spectrophotometry and $P_2 0_5$ by calculation from measured values | SOP: SPE 46 (Dalibor Weis et al.: Methods of chemical analysis of mineral raw materials, Prague 1983) | Silicates, solid matrices | A |
| **7** | **Volumetric analysis (volumetry)** | | | |
| 7.1[1,2,4,5] | Determination of acid neutralizing capacity and calculation of hydroxide ion, bicarbonate and carbonate concentration from measured values | SOP: VOL 01 (ČSN EN ISO 9963-1; ČSN 75 7373) | Water, special water | A, B |
| 7.2[1,2,4,5] | Determination of base neutralizing capacity and calculation of concentration of carbon dioxide ion forms from measured values | SOP: VOL 02 (ČSN 75 7372) | Water, special water | A, B |

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| Ordinal number[1] | Test procedure / method name | Test procedure / method identification[2] | Subject of the test | Degrees of freedom[3] |
|---|---|---|---|---|
| 7.3[1] | Determination of sulphate by titration | SOP: VOL 03 (ČSN 83 0530-21:1980) | Water, special water, extracts, absorption solutions | A |
| 7.4[1,2,4,5] | Determination of chemical oxygen demand using permanganate (CODMn) by titration | SOP: VOL 04 (ČSN EN ISO 8467) | Water except waste water, extracts | A |
| 7.5[1,2,5] | Determination of chemical oxygen demand with potassium dichromate (COD Cr) by titration | SOP: VOL 05 (ČSN ISO 6060) | Water, extracts, special water | A |
| 7.6[1] | Determination of total and organic nitrogen according to Kjeldahl | SOP: VOL 08-09 (ČSN EN 25663) | Water | A |
| 7.7[1] | Determination of chlorides by titration | SOP: VOL 10A (ČSN ISO 9297; ČSN 83 0530-20:1980; ČSN EN 480-10; ČSN EN 1008; ČSN EN 1744-1+A1) | Water, special water, extracts, absorption solutions | A |
| 7.8[1] | Determination of chlorides by titration | SOP: VOL 10B (ČSN EN 1015-17; ČSN EN 196-2; ČSN EN 14629) | Solid matrices, silicates, raw materials | A |
| 7.9[1] | Determination of total nitrogen by titration according to Kjeldahl | SOP: VOL 11A (ČSN 46 5735; JPP ÚKZÚZ 97; ČSN EN 13342) | Solid matrices, oil | A |
| 7.10[1] | Determination of total nitrogen by titration according to Kjeldahl and proteins by calculation from measured values | SOP: VOL 11B (ČSN 57 0153:1986; ČSN EN 12135; ČSN ISO 1871; JPP ÚKZÚZ 94) | Food, plants | A |
| 7.11[1,4] | Determination of sugar by titration | SOP: VOL 17 (ČSN 56 0216-8:1986; ČSN 56 0210) | Special water, wine, spirits | A |
| 7.12[1] | Determination of chlorine by titration using Eschka mixture | SOP: VOL 18 (ČSN ISO 587) | Solid fuels | A |
| 7.13[4] | Determination of the sum of calcium and magnesium (hardness) by titration | SOP: VOL 21 (ČSN ISO 6059; ČSN ISO 6058) | Water, special water, extracts | A |

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| Ordinal number[1] | Test procedure / method name | Test procedure / method identification[2] | Subject of the test | Degrees of freedom[3] |
|---|---|---|---|---|
| 7.14[4] | Determination of alkali hydroxides and carbonates by titration[3] | SOP: VOL 22 (NIOSH 7401) | Working air | A |
| 7.15[2] | Determination of FOS/TAC parameter by titration with potentiometric indication | SOP: VOL 24 (Practice report: Laboratory titration FOS/TAC by HACH LANGE) | Digestate, fermentate | - |
| 7.16[2,5] | Determination of ammonium by titration and ammonia and ammonia nitrogen by calculation from measured values | SOP: VOL 25 (ČSN ISO 5664) | Water, special water, extracts, absorption solutions | A |
| **8** | **Ion Chromatography** | | | |
| 8.1[2] | Determination of dissolved anions by IC method | SOP: IC 01 (ČSN EN ISO 10304-1; ČSN EN ISO 10304-2:1998; ČSN EN ISO 10304-3; ČSN EN ISO 10304-4) | Water, special water, extracts, absorption solutions | A, B, D |
| 8.2[5] | Determination of dissolved anions by IC method and total mineralization by calculation from measured values | SOP: IC 01A (ČSN EN ISO 10304-1; ČSN EN ISO 10304-2:1998; ČSN EN ISO 10304-3; ČSN EN ISO 10304-4; ČSN 75 7358) | Water, special water, extracts | A, B, D |
| 8.3[2] | Determination of total sulphur and chlorine after combustion in oxygen | SOP: IC 03 (ASTM D7359-14; Application notes Metrohm AG-Combustion Ion Chromatography | Gaseous mixtures | A, B, D |
| **9** | **Other chemical methods** | | | |
| 9.1[1,2,4,5] | Determination of extractives and non-polar extractives by IR spectrometry method | SOP: IR 01 (ČSN 75 7505:1998; ČSN 75 7506) | Water, special water, extracts | A, D |
| 9.2[1,2] | Determination of extractives and non-polar extractives by IR spectrometry method | SOP: IR 02 (TNV 75 8052; ISO TR 11046) | Solid matrices, raw materials, exposed filters | A, D |
| 9.3[4] | Determination of respiratory activity (AT4) | SOP: AT4 (ÖNORM S 2027-4-Teil 4) | Solid matrixes | A |

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|---|---|---|---|---|
| **10** | **Gas chromatography** | | | |
| 10.1[4] | Determination of methanol, high-molecular-weight alcohols, aldehydes and ethylacetate by gas chromatography (GC-FID) | SOP: GC 01 (Commission Regulation EC No. 2870/2000) | Spirits | A, B, D |
| 10.2[4] | Determination of emissions of organic compounds by gas chromatography (HS GC-FID/MSD) | SOP: GC 02 (PV 3341) | Vehicle interior materials | A, D |
| 10.3[4] | Determination of volatile organic compounds (VOC) by gas chromatography (GC-FID/MSD) | SOP: GC 03 (OSHA VOL.1, methods 7; ČSN EN 1076:2010) | Working air, indoor air, emissions, soil air | A, B, D |
| 10.4[4] | Determination of fatty acids in oils and fats by gas chromatography (GC-FID) | SOP: GC 04 (ČSN ISO 5508:1994; ČSN ISO 5509:1994) | Food and raw materials for the production of food, food additives | A, B, D |
| 10.5[2] | Determination of polychlorinated biphenyls, chlorinated pesticides and other organohalogen compounds by gas chromatography (GC-ECD/MSD) and their sum by calculation from measured values | SOP: GC 05 (ČSN EN ISO 6468; U.S.EPA 608, 8081 A) | Water, special water | A, B, D |
| 10.6[2] | Determination of polychlorinated biphenyls, chlorinated pesticides and other organohalogen compounds by gas chromatography (GC-ECD/MSD) and their sum by calculation from measured values | SOP: GC 06 (ČSN EN 61619; ČSN EN 12766-1; ČSN EN 12766-2; DIN 38407-2:1993; U.S.EPA 8081; ČSN EN 16693) | Solid matrices, raw materials, oils | A, B, D |
| 10.7[2,4,5] | Determination of hydrocarbons C10 – C40 by gas chromatography (GC-FID) | SOP: GC 07 (ČSN EN ISO 9377-2) | Water, special water | A, D |
| 10.8[2,5] | Determination of hydrocarbons C10 – C40 by gas chromatography (GC-FID) | SOP: GC 08 (ČSN EN 14039; ČSN EN ISO 16703) | Solid matrices | A, D |

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|---|---|---|---|---|
| 10.9[2] | Determination of volatile organic compounds by gas chromatography (Purge and Trap GC-MSD) and their sum by calculation from measured values | SOP: GC 09A (U.S.EPA 5030 B; U.S.EPA 5035; U.S.EPA 8260 B) | Water, special water, extracts | A, B, D |
| 10.10[2] | Determination of volatile organic compounds by gas chromatography (Purge and Trap GC-MSD) and their sum by calculation from measured values | SOP: GC 09B (U.S.EPA 5030 B; U.S.EPA 5035; U.S.EPA 8260 B) | Solid matrices | A, B, D |
| 10.11[2] | Determination of volatile organic compounds by gas chromatography (HS GC-FID/MSD) and their sum by calculation from measured values | SOP: GC 10A (ČSN EN ISO 10301; U.S.EPA 5021; U.S.EPA 8021 B; U.S.EPA 8260) | Water, special water, extracts | A, B, D |
| 10.12[2] | Determination of volatile organic compounds by gas chromatography (HS GC-FID/MSD) and their sum by calculation from measured values | SOP: GC 10B (ČSN EN ISO 10301; U.S.EPA 5021; U.S.EPA 8021 B; U.S.EPA 8260) | Solid matrices | A, B, D |
| 10.13[2] | Determination of acrylonitrile by gas chromatography (HS GC-FID/MSD) | SOP: GC 10C (ASTM D 4322 – 96; Procedia Environmental Sciences 31/2016) | Dilating sticks | A, B, D |
| 10.14[2] | Determination of volatile impurities in gases by gas chromatography (GC-MSD) and their sum by calculation from measured values | SOP: GC 11 (VDI 3865, page 4) | Gases for cogeneration, landfill gas, biogas | A, B, D |
| 10.15[2] | Determination of methane, carbon dioxide, permanent gases and aliphatic hydrocarbons C2 to C6 by gas chromatography (GC-FID/TCD) and calculation of physical parameters from measured values | SOP: GC 12 (ČSN EN ISO 6974-3; ČSN EN ISO 6974-4; ČSN EN ISO 6976; ČSN EN ISO 6976:2006; ČSN EN 27941) | Outdoor air, working air, gaseous mixtures | A, B, D |

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|---|---|---|---|---|
| 10.16[2] | Determination of chlorinated and univalent phenols by gas chromatography (GC-MSD) | SOP: GC 15 (ČSN EN 12673; U.S.EPA 8041) | Water, special water, extracts | A, B, D |
| 10.17[2] | Determination of polar solvents by gas chromatography (HS GC-FID) | SOP: GC 16 (U.S.EPA 8015 B) | Water, special water, spirits, alcoholic beverages | A, B, D |
| 10.18[2] | Determination of volatile fatty acids by gas chromatography (HS GC-FID) | SOP: GC 17 (U.S.EPA 5021 B) | Digestate, fermentate, water, special water, aqueous extracts | A, B, D |
| 10.19[4] | Determination of pesticides by gas chromatography (GC-MS-multiresidue method) and their sum by calculation from measured values | SOP: GC 20 (ČSN EN ISO 15913; ČSN EN ISO 11369) | Drinking, ground water | A, B, D |
| 10.20[2] | Determination of acrylamide by gas chromatography (GC/ECD/MSD) | SOP: GC 21 (ČSN P CEN/TS 17083; Chem. listy, 107, 255-260, 2013) | Food | A, D |
| 10.21[1] | Determination of pesticides, their metabolites and other pollutants by gas chromatography (GC-MS) and their sum by calculation from measured values | SOP: GC 23 (ČSN EN 15662; SANTE/11312/2021) | Food of vegetable origin | A, B, D |
| 10.22[5] | Determination of polyaromatic hydrocarbons (PAH) by gas chromatography (GC-MSD) and their sum by calculation from measured values | SOP: GC 24 (ČSN 75 7554:1998) | Water, special water, extracts | A, B, D |
| 10.23[5] | Determination of polyaromatic hydrocarbons (PAH) by gas chromatography (GC-MSD) and their sum by calculation from measured values | SOP: GC 25 (ČSN 75 7554:1998) | Solid matrices, sands | A, B, D |

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|---|---|---|---|---|
| 10.24[5] | Determination of polychlorinated biphenyls (PCB) and chlorinated pesticides by gas chromatography (GC-MSD) and their sum by calculation from measured values | SOP: GC 26 (ČSN EN ISO 6468) | Water, special water, extracts | A, B, D |
| 10.25[5] | Determination of polychlorinated biphenyls (PCB) and chlorinated pesticides by gas chromatography (GC-MSD) and their sum by calculation from measured values | SOP: GC 27 (ČSN EN ISO 6468) | Solid matrices, raw materials | A, B, D |
| 10.26[5] | Determination of highly volatile organic compounds (VOC) by gas chromatography (SPME-GC/MSD) and their sum by calculation from measured values | SOP: GC 28 (ČSN EN ISO 10301) | Water, special water, extracts | A, B, D |
| 10.27[5] | Determination of highly volatile organic compounds (VOC) by gas chromatography (GC/MSD) and their sum by calculation from measured values | SOP: GC 29 (ČSN EN ISO 10301) | Solid matrices, sands | A, B, D |
| 10.28[4] | Determination of water disinfection by-products by gas chromatography (GC/ECD/MSD) | SOP: GC 30 (U.S.EPA 551.1) | Drinking, pool water | A, B, D |
| **11** | **Liquid chromatography** | | | |
| 11.1[4] | Determination of isocyanate by liquid chromatography (HPLC-FLD) | SOP: LC 02 (OSHA No. 47) | Working air | A, B, D |
| 11.2[2,4] | Determination of polyaromatic hydrocarbons (PAH) by liquid chromatography (HPLC-FLD, UV) and their sum by calculation from measured values | SOP: LC 03 (U.S.EPA 610; ČSN 75 7554:1998) | Water, special water, extracts | A, B, D |

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|---|---|---|---|---|
| 11.3[4] | Determination of carbonyl compounds by liquid chromatography (HPLC-UV) | SOP: LC 04 (U.S.EPA TO 11; NIOSH 2016) | Working air, indoor air | A, B, D |
| 11.4[4] | Determination of pesticides, their metabolites and other pollutants by liquid chromatography (HPLC-MS) and their sum by calculation from measured values | SOP: LC 05 (U.S. EPA 535; U.S. EPA 536) | Drinking, ground, surface water | A, B, D |
| 11.5[4] | Determination of carbonyl compounds by liquid chromatography (HPLC-UV) | SOP: LC 06 (U.S.EPA TO 11; NIOSH 2016; U.S.EPA 8315 A) | Water, special water, extracts of PBU and PSV, extracts of packaging and packaging materials into food simulants | A, B, D |
| 11.6[4] | Determination of migration of monomer and additive compounds by liquid chromatography (HPLC-DAD/MS) | SOP: LC 07 (ČSN EN 13130-1; ČSN EN 15136) | Extracts of PBU and PSV, extracts of packaging and packaging materials into food simulants | A, B, D |
| 11.7[4] | Determination of migration of primary aromatic amines by liquid chromatography (HPLC-MS) | SOP: LC 09 (ČSN EN ISO 17234-1; ČSN EN 14362-1:2012) | Extracts of PBU and PSV | A, B, D |
| 11.8[4] | Determination of acrylamide by liquid chromatography (HPLC-MS) | SOP: LC 10 (U.S.EPA 8316) | Water, aqueous extracts, extracts of PBU and PSV | A, D |
| 11.9[2] | Determination of polycyclic aromatic hydrocarbons by liquid chromatography ( HPLC–FLD, UV) and their sum by calculation from measured values | SOP: LC 11 (TNV 75 8055:2004; ČSN EN 17503; U.S.EPA 8310) | Solid matrices, raw materials | A, B, D |
| 11.10[2] | Determination of glyphosate and aminomethylphosphonic acid (AMPA) by liquid chromatography (HPLC-FLD) | SOP: LC 12 (ČSN ISO 21458) | Water, special water | A, D |
| 11.11[2] | Determination of univalent phenols by liquid chromatography (HPLC–UV) | SOP: LC 14 (U.S.EPA TO-8; U.S.EPA 3510) | Water, special water, extracts | A, B, D |

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|---|---|---|---|---|
| 11.12[2] | Determination of univalent phenols by liquid chromatography (HPLC–UV) | SOP: LC 15 (U.S.EPA TO-8; U.S.EPA 3550 C) | Solid matrices | A, B, D |
| 11.13[2] | Determination of carbonyl compounds by liquid chromatography (HPLC-UV) | SOP: LC 17 (U.S.EPA 8315 A) | Solid matrices | A, B, D |
| 11.14[2] | Determination of preserving agents by liquid chromatography (HPLC-DAD) | SOP: LC 18 (ISO 22855) | Food and food raw materials | A, B, D |
| 11.15[2] | Determination of nicotine by liquid chromatography (HPLC-UV/MWD) | SOP: LC 19 (Czech Pharmacopoeia 2017, cl. 5.0:1452) | Pharmaceutical raw materials, liquids for electronic cigarettes, e-liquid) | A, D |
| 11.16[2] | Determination of polycyclic aromatic hydrocarbons by liquid chromatography (HPLC – FLD, UV) and their sum by calculation from measured values | SOP: LC 20 (NIOSH 5506; NIOSH 5800) | Working air | A, B, D |
| 11.17[2] | Determination of PAH by HPLC/UVD/FLD method and their sum by calculation the measured values | SOP LC 21 (Journal of Food Quality, Vol 2017, Article ID 1076876) | Food of vegetable origin | A, B, D |
| 11.18[4] | Determination of cannabinoids by LC/DAD/MS method and their sum by calculation from measured values | SOP: LC 22 (Agilent application note: Cannabis - Qualitative and quantitative determination of cannabinoid profiles and potency in CBD hemp oil using LC/UV and Mass Selective Detection) | Cannabis, cannabis products | A, B, D |
| 11.19[2] | Determination of mycotoxins by liquid chromatography (HPLC/FLD) | SOP: LC 23 (Journal of Chromatographic Science, 2017, Vol.55, No.7; Journal of Separation Science, 2013, Vol.36, 3709-3716) | Food | A, B, D |

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|---|---|---|---|---|
| 11.20[4] | Determination of pesticides, their metabolites and other pollutants by liquid chromatography (HPLC-MS) and their sums by calculation from the measured values | SOP: LC 24 (ČSN EN 15662; SANTE/11312/2021) | Food of vegetable origin | A, B, D |
| 11.21[2] | Determination of Cucurbit[n]urils by HPLC-DAD liquid chromatography | SOP: LC 25 (Aqdot. Ltd. - No. QA026 manual) | Raw material for home care, personal care and industrial applications | A, B, D |
| 11.22[4] | Determination of per- and poly-fluorinated substances (PFAS) by liquid chromatography (HPLC-MS) and their sum by calculation from measured values | SOP: LC 26 (U.S.EPA 8327) | Water, aqueous extracts, extracts of PBU and PSV | A, B, D |
| 11.23[4] | Determination of polar pesticides by liquid chromatography (HPLC-MS) | SOP: LC 27 (ČSN ISO 21458) | Water, aqueous extracts | A, B, D |
| 11.24[4] | Determination of haloacetic acids by liquid chromatography (HPLC-MS) and their sum by calculation from measured values | SOP: LC 28 (Agilent note: Determination of Haloacetic Acids in Drinking Water by LC/MS/MS) | Drinking, pool water | A, B, D |
| 11.25[4] | Determination of drugs, hormones and other pollutants by liquid chromatography (HPLC-MS) | SOP: LC 29 (U.S.EPA 539; U.S.EPA 1694) | Water | A, B, D |
| 11.26[4] | Determination of alkaloids by liquid chromatography (HPLC-MS) and their sum by calculation from measured values | SOP: LC 30 (Ph.Eur 2.8.26) | Foodstuffs of vegetable origin | A, B, D |
| **12** | **Biological methods and ecotoxicological tests** | | | |
| 12.1[2] | Determination of microscopic image | SOP: BIO 01 (ČSN 75 7712) | Water, special water, extracts | - |
| 12.2[1,2,4] | Determination of abioseston by microscopic method | SOP: BIO 02 (ČSN 75 7713) | Water | - |
| 12.3[2] | Acute toxicity tests – inhibition of the mobility of *Daphnia magna* | SOP: BIO 03A (ČSN EN ISO 6341) | Water, special water, extracts | A, D |

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|---|---|---|---|---|
| 12.4[2] | Acute toxicity tests – freshwater green algal growth inhibition | SOP: BIO 03B (ČSN EN ISO 8692) | Water, special water, extracts | A, D |
| 12.5[2] | Acute toxicity tests – Semi-static method on freshwater fish *Poecilia reticulata* | SOP: BIO 03C (ČSN EN ISO 7346-2; STN EN ISO 7346-2; STN 83 8303) | Water, special water, extracts | A, D |
| 12.6[2] | Acute toxicity tests – inhibition of *Sinapis alba* root growth | SOP: BIO 03D (Guideline 8, MoE CR Bulletin, XVII, No.4/2007) | Water, special water, extracts | A, D |
| 12.7[2] | Acute toxicity test – root growth inhibition in lettuce *Lactuca sativa* | SOP: BIO 04 (ČSN EN ISO 11269-1) | Solid matrices | A, D |
| 12.8[2] | Determination of the inhibitory effect on the light emission of luminescent bacteria *Vibrio fischeri* | SOP: BIO 05 (ČSN EN ISO 11348-2; ČSN EN ISO 11348-3) | Water, special water, extracts | A, D |
| **13** | **Microbiological methods** | | | |
| 13.1[1,2,4,5] | Detection and enumeration of coliform bacteria and *Escherichia coli* by membrane filtration method | SOP: MIB 01A (ČSN EN ISO 9308-1) | Drinking water, bottled water, after disinfection, treatment | D |
| 13.2[1,2,4,5] | Detection and enumeration of coliform bacteria by membrane filtration method | SOP: MIB 01B (ČSN 75 7837) | Non-disinfected water | D |
| 13.3[1,2,4,5] | Detection and enumeration of thermotolerant coliform bacteria and *Escherichia coli* by membrane filtration method | SOP: MIB 01C (ČSN 75 7835) | Water | D |
| 13.4[1,2,4,5] | Detection and enumeration of intestinal enterococci by membrane filtration method | SOP: MIB 02A (ČSN EN ISO 7899-2) | Water | D |
| 13.5[1,4] | Detection and enumeration of intestinal enterococci by direct inoculation method | SOP: MIB 02B (AHEM No. 1/2008; AHEM No. 7/2001) | Sludge, sediments, biowaste | D |
| 13.6[1,2,4] | Detection and enumeration of spore-forming sulfite-reducing anaerobes (clostridia) by membrane filtration method | SOP: MIB 03A (ČSN EN 26461-2) | Water | D |
| 13.7[1,2,4] | Detection and enumeration of *Clostridium perfringens* (including spores) by membrane filtration method | SOP: MIB 03B (Reg. No.252/2004 Coll., Annex No. 6) | Water | D |
| 13.8[1,2,4] | Detection and enumeration of *Clostridium perfringens* (including spores) by membrane filtration method | SOP: MIB 03C (ČSN EN ISO 14189) | Water | D |

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|---|---|---|---|---|
| 13.9[1,4] | Detection and enumeration of thermotolerant coliform bacteria and *Escherichia coli* by direct inoculation method | SOP: MIB 06A (AHEM No. 1/2008; AHEM č. 7/2001; ČSN 75 7835) | Sludge, biowaste | D |
| 13.10[1,4] | Detection and enumeration of coliform bacteria by direct inoculation and membrane filtration method | SOP: MIB 06B (ČSN ISO 4832) | Food, food raw materials, smears, packaging, PBU, working air, outdoor air, indoor air, prints | D |
| 13.11[1,4] | Enumeration of *Escherichia coli* by direct inoculation and membrane filtration method | SOP: MIB 07 (ČSN ISO 16649-2) | Food, food raw materials, smears, packaging, PBU | D |
| 13.12[1,4] | Detection and enumeration of *Enterobacteriaceae* by direct inoculation and membrane filtration method | SOP: MIB 08 (ČSN EN ISO 21528-2) | Food, food raw materials, smears, packaging, PBU, carcases | D |
| 13.13[1,4] | Enumeration of total microorganisms by direct inoculation and membrane filtration method | SOP: MIB 09 (ČSN EN ISO 4833-1; ČSN EN ISO 4833-2; ČSN ISO 2293:1996) | Food, food raw materials, smears, packaging, PBU, working air, outdoor air, indoor air, prints, water, products, preparations, improvers, carcasses | D |
| 13.14[1,4] | Detection of *Salmonella spp.* by membrane filtration method | SOP: MIB 10A (ČSN ISO 19250) | Water | D |
| 13.15[1,4] | Detection of *Salmonella spp.* by direct inoculation method | SOP: MIB 10B (ČSN EN ISO 6579-1; AHEM No. 1/2008; AHEM č. 7/2001) | Sludge, biowaste | D |
| 13.16[1,4] | Detection of *Salmonella spp.* by direct inoculation and membrane filtration method | SOP: MIB 10C (ČSN EN ISO 6579-1) | Food, food raw materials, smears, packaging, PBU, carcases | D |
| 13.17[1,2,4,5] | Enumeration of *Staphylococcus aureus* by membrane filtration method | SOP: MIB 11A (ČSN EN ISO 6888-1) | Water | D |
| 13.18[1,4] | Enumeration of coagulase-positive staphylococci by direct inoculation and membrane filtration method | SOP: MIB 11B (ČSN EN ISO 6888-1) | Food, food raw materials, smears, packaging, PBU, working air, outdoor air, indoor air | D |
| 13.19[1,4] | Enumeration of *Bacillus cereus* by direct inoculation and membrane filtration method | SOP: MIB 12 (ČSN EN ISO 7932) | Food, food raw materials, smears, packaging, PBU | D |

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|---|---|---|---|---|
| 13.20[1,4] | Enumeration of yeasts and moulds by direct inoculation method | SOP: MIB 14A (ČSN ISO 21527-1; ČSN ISO 21527-2) | Food, food raw materials | D |
| 13.21[1,4] | Enumeration of yeasts and moulds by direct inoculation and membrane filtration method | SOP: MIB 14B (Czech Pharmacopoeia 2017, Test 2.6, AHEM No. 7/1992) | Water, smears, packaging, working air, outdoor air, indoor air, PBU, prints, products, preparations, improvers and auxiliary materials | D |
| 13.22[1,2,4,5] | Detection and enumeration of *Pseudomonas aeruginosa* by membrane filtration method | SOP: MIB 15 (ČSN EN ISO 16266 ) | Water | D |
| 13.23[1,2,4,5] | Enumeration of culturable micro-organisms – colony count at 22 °C and 36 °C by direct inoculation method | SOP: MIB 17 (ČSN EN ISO 6222) | Water | D |
| 13.24[1,2,4,5] | Detection and enumeration of *Legionella* by membrane filtration and direct innoculation method | SOP: MIB 18 (ČSN EN ISO 11731) | Water, smears | D |
| 13.25[1,2,4] | Testing of efficiency of sterilizers by non-biological systems | SOP: MIB 20A (AHEM No.1/2014; Reg. No. 306/2012 Coll.) | Steam, hot-air, formaldehyde and ethylene oxide sterilizers | - |
| 13.26[1,2,4] | Testing of efficiency of sterilizers by culture method | SOP: MIB 20B (SZÚ AHEM No.1/2014; Reg. No. 306/2012 Coll.) | Bioindicators | - |
| 13.27[1,4] | Enumeration of mesophilic lactic acid bacteria by direct inoculation and membrane filtration method | SOP: MIB 21 (ČSN ISO 15214) | Food, food raw materials, smears, packaging, PBU, working air, outdoor air, indoor air | D |
| 13.28[1,4] | Enumeration of total living microorganisms by direct inoculation and membrane filtration method | SOP: MIB 22 (Czech Pharmacopoeia 2017, test 2.6.12) | Pharmaceutical products, preparations, packaging and auxiliary materials, water, smears, working air, outdoor air, indoor air, prints | D |
| 13.29[1,4] | Detection and enumeration of *Listeria monocytogenes* by direct inoculation method | SOP: MIB 23 (ČSN EN ISO 11290-1; ČSN EN ISO 11290-2) | Food, food raw materials, smears, packaging, PBU | D |
| 13.30[4] | Detection and enumeration of *Pseudomonas aeruginosa* by direct inoculation method | SOP: MIB 24 (ČSN EN ISO 16266) | Food, food raw materials, smears, packaging, PBU | D |

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|---|---|---|---|---|
| 13.31[1,4] | Enumeration of *Clostridium perfringens* by direct inoculation method | SOP: MIB 25 (ČSN EN ISO 7218; Czech Pharmacopoeia 2017, Test 2.6.13; ČSN EN ISO 7937) | Food, food raw materials, smears, packaging, PBU, products, preparations, improvers and auxiliary materials | D |
| 13.32[4] | Sterility test by culture method | SOP: MIB 26 (Czech Pharmacopoeia 2017, Test 2.6.1) | Sterile products, biological material, smears, products, preparations, improvers and auxiliary materials | - |
| 13.33[4] | Detection of aerobic bacteria with and without propagation | SOP: MIB 27 (Czech Pharmacopoeia 2017, Test 2.6.13; AHEM No. 7/1992) | Products, preparations, improvers and auxiliary materials, water, smears, food | D |
| 13.34[4] | Detection and enumeration of spore-forming mesophilic aerobes and anaerobes by direct inoculation method | SOP: MIB 31 (ČSN EN ISO 4833-1; ČSN EN ISO 4833-2) | Food, food raw materials | D |
| 13.35[1] | Detection and enumeration of aerobic mesophilic bacteria by direct inoculation method | SOP: MIB 32 (ČSN EN ISO 21149; ČSN EN ISO 21148) | Cosmetics | D |
| **14** | **Measurement of noise and vibrations** | | | |
| 14.1*[3] | Measurement of noise | ČSN EN ISO 9612; ČSN ISO 7196; ČSN ISO 10843; MoH CR Bulletin 2013, Part 4 | Working environment | - |
| 14.2*[3] | Measurement of noise | ČSN ISO 1996-1; ČSN ISO 1996-2; MoH CR Bulletin 2017, Part 11 | Non-working environment | - |
| 14.3*[3] | Measurement of vibration | ČSN ISO 2631-1; ČSN ISO 2631-2; ČSN EN ISO 5349-1; ČSN EN ISO 5349-2; MoH CR Bulletin 2013, Part 4 | Working environment | - |
| 14.4*[3] | Measurement of vibration | ČSN ISO 2631-1; ČSN ISO 2631-2; MoH CR Bulletin 2013, Part 4 | Non-working environment | - |

**The Appendix is an integral part of**
**Certificate of Accreditation No. 683/2023 of 19/12/2023**

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

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| Ordinal number[1] | Test procedure / method name | Test procedure / method identification[2] | Subject of the test | Degrees of freedom[3] |
|---|---|---|---|---|
| 14.5*[3] | Determination of sound power levels of noise sources by sound pressure measurement | ČSN EN ISO 3744;<br>ČSN EN ISO 3746;<br>ČSN EN ISO 11201;<br>ČSN EN ISO 11202;<br>ČSN EN ISO 11203;<br>ČSN EN ISO 11204;<br>ČSN EN 61063;<br>ČSN EN ISO 3095;<br>ČSN EN ISO 3381;<br>ČSN EN 60076-10 | Machines and equipment | - |
| 14.6*[3] | Measurement of sound insulation in buildings | ČSN EN ISO 11546-2;<br>ČSN ISO 10847;<br>ČSN EN ISO 16283-1;<br>ČSN EN ISO 16283-3;<br>ČSN EN ISO 717-1 | Building structures | - |
| 14.7*[3] | Measurement of reverberation time | ČSN EN ISO 3382-1;<br>ČSN EN ISO 3382-2 | Building interior | - |

[1] asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises; the numerical index at the test ordinal number identifies the location carrying out the test (the identification of the locations is given on the first page of this document)

[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] degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test

**Specification of the scope of accreditation:**

| Ordinal test number | Detailed information on activities within the scope of accreditation (determined analytes) |
|---|---|
| 3.2 | Ag, Al, As, Au, Ba, Cd, Co, Cr, Cu, Hg, Ir, Li, Mo, Ni, Os, Pb, Pd, Pt, Rh, Ru, Sb, Se, Sn, Tl, V |
| 3.3 | **Location 1 -** Ag, Al, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Si, Sn, Sr, Ti, V, Zn, Zr<br>**Location 5** – Ag, Al, As, Au, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, W, Zn |
| 3.4 | Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Eu, Fe, Gd, K, La, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Si, Sn, Sr, Tb, Te, Ti, Tl, U, V, Zn, Zr |
| 3.5 | As, Ag, Al, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Si, Sn, Sr, Te, Ti, Tl, U, V, Zn, Zr |
| 3.6 | Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Si, Sn, Sr, Te, Ti, Tl, U, V, Zn, Zr |

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|---|---|
| 3.7 | **Location 1 -** Ag, Al, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Si, Sn, Sr, Ti, V, Zn, Zr<br>**Location 5** – Al, As, Au, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Si, Sn, Ti, V, Zn |
| 3.8 | Ag, Al, B, Ba, Be, Ca, Cd, Cr, Co, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Si, Sn, Sr, Ti, V, Zn, Zr |
| 3.9 | **Location 1 -** Al, Ca, Fe, K, Mg, Mn, Na, P, Si, Ti, Zr<br>**Location 5 -** Al, Ca, Fe, K, Mg, Mn, Na, Si, Ti |
| 6.2 | Absorbance at 254nm wavelength |
| 6.26 | **Location 1 –** ammonium, anionic surfactants, nitrates, nitrites, sulphates<br>**Location 4 –** ammonium, nitrates, nitrites, $Fe^{3+}$ and $Fe^{2+}$, chlorides, total and easily liberatable cyanides |
| 7.1 | $ANC_{4,5}$, $ANC_{8,3}$ |
| 7.2 | $BNC_{4,5}$, $BNC_{8,3}$ |
| 7.14 | Potassium hydroxide, sodium hydroxide, potassium carbonate, sodium carbonate |
| 8.1 | bromates, bromides, nitrites, nitrates, fluorides, phosphates, chlorates, chlorides, chlorites, sum of chlorites and chlorates, iodides, sulphates |
| 8.2 | nitrites, nitrates, fluorides, chlorates, chlorides, chlorites, sum of chlorites and chlorates, sulphates, and calculation of total mineralisation using SOP test results: IC01A, ICP02, SPE 08, SPE 12, SPE 44, VOL 01, VOL 02, VOL 25 |
| 10.1 | 2-methylbutan-1-ol (active amylalcohol), 3-methylbutane-1-ol, (isoamylalcohol), methanol (methylalcohol), ethyl-ethanoate (ethyl-acetate), butan-1-ol (n-butanol), butan-2-ol (sec-butan-1-ol), 2-methylpropan-1-ol (isobutylalcohol), propan-1-ol (n-propanol) and ethanal (acetaldehyde) |
| 10.3 | acetone; benzene; benzines; n-butanol; 2-butanone; butoxyethanol; butoxyethoxyethanol; butoxyethylacetate; butylacetate; cyclohexane; cyclohexanone; cyclopentanone; diacetonealcohol (4-hydroxy-4-methyl-2-pentanone); epichlorohydrin; ethanol; ethoxyethanol; ethoxyethoxyethanol; ethylacetate; ethylbenzene; 2-heptanone; heptane; chloroform; isobutanol; isoflurane; isophorone; isopropanol; isopropylbenzene; methacrylic acid; 1-methyl-2-pyrrolidinone; 2-methoxypropylacetate; methoxypropanol; methylmethacrylate; methylpentanone; n-pentane; n-hexane; n-decane; methanol; isooctane; dodecane; chlorobenzene; methylacrylate; ethylacrylate; butylacrylate; butylmethacrylate; propylacetate; propylbenzene; styrene; tetrachloroethene; tetrachloromethane; toluene; trichloroethene; 1,2,3-trimethylbenzene (hemimelliten); 1,2,4 trimethylbenzene (pseudocumene); 1,3,5-trimethylbenzene (mesitylene); vinyltoluene; xylenes; sevoflurane; tetrahydrofuran |
| 10.4 | saturated fatty acids (SAFA), monounsaturated fatty acids (MUFA), polyunsaturated fatty acids (PUFA), trans fatty acids (TFA) |
| 10.5 | *PCB congeners:* 28, 52, 101, 118, 138, 153, 180, 194<br>*Aroclors:* 1242, 1260<br>*Pesticides:* 2,4'-DDD; 2,4'-DDE; 2,4'-DDT; 4,4'-DDD; 4,4'-DDE; 4,4'-DDT; aldrin; dieldrin; dichlobenil; endosulfan I; endosulfan II; endosulfan sulfate; endrin; endrin ketone; heptachlor; heptachlor epoxide; hexachlorobenzene (HCB); alpha-hexachlorocyclohexane (alpha-HCH); beta-hexachlorocyclohexane (beta-HCH), delta-hexachlorocyclohexane (delta-HCH); gamma-hexachlorocyclohexane (lindane); alpha and gamma chlordane; isodrine; methoxychlor; mirex; octachlorostyrene; oxychlordane; pentachlorbenzene; trifluralin |
| 10.6 | PCB *congeners*: 28, 52, 77, 81, 101, 105, 114, 118, 123, 126, 138, 149, 153, 156, 157, 169, 170, 180, 189<br>*Aroclors:* 1242, 1260<br>Pesticides: hexachlorobenzene (HCB); alpha-hexachlorocyclohexane (alpha-HCH); beta-hexachlorocyclohexane (beta-HCH); delta-hexachlorocyclohexane (delta-HCH); gamma-hexachlorocyclohexane (lindane); aldrin; endrin; dieldrin; heptachlor; heptachlor epoxide; methoxychlor; 4,4'-DDD; 4,4'-DDE; 4,4'-DDT; 2,4'-DDD; 2,4'-DDE; 2,4'-DDT; endosulfan I; endosulfan II; endosulfan sulfate |
| 10.9, 10.10, 10.11, 10.12 | 1,1-dichloroethylen; dichloromethane; t-1,2-dichloroethylene; 1,1-dichloroethane; c-1,2-dichloroethylene; trichloromethane; 1,2-dichloroethane; 1,1,1-trichloroethane; tetrachloromethane; benzene; 1,2-dichloropropan; trichloroethylene; bromodichloromethane; c-1,2-dichloropropene; t-1,2-dichloropropene; |

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|---|---|
| | 1,1,2-trichloroethane; toluene; dibromochloromethane; tetrachloroethylene; chlorobenzene; ethylbenzene; p,m,o-xylene; bromoform; styrene; chloroethene; o,p,m-dichlorobenzene; 1,2,4-trichlorobenzene; 1,2,3-trichlorobenzene |
| 10.14 | *Siloxanes:* trimethylsilanol (TMSOH), L2, D3, L3, D4, L4, D5, D6<br>*Chlorinated aliphatic hydrocarbons*: dichloromethane; trichloromethane; tetrachloromethane 1,1-dichloroethene; cis-1,2-dichloroethene; trans-1,2,-dichloroethene; 1,1-dichloroethane; 1,2-dichloroethane; 1,1,1-trichloroethane; 1,1,2-trichloroethane; 1,1,1,2-tetrachloroethane; trichloroethene; tetrachloroethene.<br>*Aromatic hydrocarbons*: benzene, toluene, xylenes, styrene, chlorobenzene, ethylbenzene, naphthalene |
| 10.15 | Nitrogen, oxygen, hydrogen, carbon monoxide, carbon dioxide, methane, ethane, propane, i-butane, butane, i-pentane, neopentane, n-pentane, hexane, ethene<br>*Calculation of physical parameters from measured:* gross calorific value, net calorific value, relative density, gas density, compressibility factor, Wobeho index |
| 10.16 | *Chlorinated phenols:* 4-chlorophenol; 2,3-dichlorophenol; 2,4-dichlorophenol; 2,5- dichlorophenol; 2,6-dichlorophenol; 3,4-dichlorophenol; 3,5- dichlorophenol; 2,4,5-trichlorophenol; 2,4,6-trichlorophenol; 2,3,4,6-tetrachlorophenol; pentachlorophenol<br>*Univalent phenols:* phenol; 3-methylphenol; 4-methylphenol; 2-methylphenol; 2,6-methylphenol; 2,4-methylphenol; 2,3-methylphenol; 3,4-methylphenol |
| 10.17 | methanol; ethanol; acetone; dielhylether; aniline; nitrobenzene; 2-propanol; 1-propanol; ethylacetate; 2-butanol; 2-methyl-1-propanol; 1-butanol; 3-methyl-1-butanol; 2-methyl-1-butanol |
| 10.18 | acetic acid, propionic acid, 2-methyl propanoic (isobutyric) acid, butanoic (butyric) acid, 2-methylbutanoic (isovaleric) acid, pentanoic (valeric) acid, 2-methylpentanoic (isocapronic) acid, hexanoic (capronic) acid and heptanoic acid. |
| 10.19 | Atrazine; Desethylatrazine; Metazachlor; Metolachlor; Promethrin; Sebuthylazine; Simazine; Terbuthylazine; Terbutryn |
| 10.21 | 2,4-D-methyl ester; Acequinocyl; Acetochlor; Acrinathrin; Alachlor; Aldrin; Allidochlor; Anthraquinone; Atrazine; Azinphos-ethyl; Azinphos-methyl; Benfluralin; Bifenthrin; Biphenyl; Bixafen; Bromfenvinphos; Bromfenvinphos-methyl; Bromophos-ethyl; Bromophos-methyl; Bromopropylate; Bupirimate; Cadusafos; Captafol; Captan; Carbophenothion; Carfentrazone ethyl; Clomazone; Coumaphos; Cyanofenphos; Cycloate; Cyflumetofen; Cyfluthrin*1; Cyfluthrin*2; Cyfluthrin*3; Cyfluthrin*4; Cyhalofop-butyl; Cyhalothrin-gamma; Cyhalothrin-lambda; Cypermethrin (sum of isomers); Cyphenothrin (sum of isomers); Cyprodinil; DCPA; DDD-o,p´; DDD-p,p´; DDE-o,p´; DDE-p,p´; DDT-o,p´; DDT-p,p´; Deltamethrin; Diallate*1; Diallate*2; Diazinone; Dicloran; Dicofol-o,p´; Dicofol-p,p´; Dieldrin; Dichlobenil; Dichlofluanid; Dichlorobenzophenone-4,4´; Dimethachlor; Dimethenamide; Diphenamide; Diphenylamine; Disulfoton; Dodemorph (sum of isomers); Edifenphos; Endosulfan ether; Endosulfan I; Endosulfan II; Endosulfan-sulfate; Endrin; Endrin aldehyde; Endrin ketone; EPN; Esfenvalerate (sum of isomers); Ethalfluralin; Ethion; Ethoprophos Ethoprophos; Etofenprox; Ethoxyquin; Etridiazole; Etrimphos; Fenamiphos; Fenamirol; Fenchlorphos; Fenchlorphos-oxon; Fenitrothion; Fenpropathrin; Fenson; Fensulfothion; Fensulfothion-oxon; Fensulfothion-oxon-sulfone; Fensulfothion-sulfone; Fenthion; Fenthion-oxon; Fenthion-sulfone; Fenvalerate (sum of isomers); Fipronil; Fluacrypyrim; Fluazifop-p-butyl; Flucythrinate*1; Flucythrinate*2; Fludioxonil; Fluchloralin; Fluquinconazole; Fluridone; Flusilazole; Flutolanil; Flutriafol; Fluvalinate, tau-*1; Fluvalinate, tau-*2; Folpet; Fonofos; Formothion; Haloxyfop-2-ethoxyethyl; Haloxyfop-methyl; HCH-alpha; HCH-beta; HCH-delta; HCH-epsilon; HCH-gamma (Lindane); Heptachlor; Heptachlor epoxide-cis (Isomer B); Heptachlor epoxide-trans (Isomer A); Heptenophos; Hexachlorobenzene; Hexazinone (Velpar); Chinomethionate; Chlorbenside; Chlorbufam; Chlordane-cis; Chlordane-oxy; Chlordane-trans; Chlorfenapyr; Chlorfenson (Ovex); Chlorfenvinphos*1; Chlorfenvinphos*2; Chlorobenzilate; Chloroneb; Chlorothalonil; Chlorpropham; Chlorpyrifos; Chlorpyrifos-methyl; Chlorthiophos*1; Chlorthiophos*2; Chlorthiophos*3; Chlozolinate; Iodofenfos; Isazophos; Isocarbophos; Isodrin; Isofetamide; Isopropalin; Isopyrazam; Lenacil; Leptophos; Malathion; Mandestrobin; Mecarbam; Metalaxyl; Metazachlor; Methacrifos; Methidathion; Methoxychlor-2,4´; Methoxychlor-4,4´; Methoxychlor olefin-4,4´; Metolachlor; Metrafenone; Mevinphos; MGK-264 *1; MGK-264 *2; Mirex; Molinate; Monuron; Myclobutanil; Nitralin; Nitrofen; Nonachlor-cis; Nonachlor-trans; Norflurazon; Oxadiazon; Oxyfluorfen; Paclobutrazol; Paraoxon-ethyl; Paraoxon-methyl; Parathion; Parathion- |

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|---|---|
| | methyl; Pebulate; Penconazole; Pendimethalin; Penflufen; Pentachloroaniline; Pentachloroanisole; Pentachlorobenzene; Pentachlorobenzonitrile; Pentachlorophenol; Pentachlorothioanisole; Phenthoate; Permethrin (sum of isomers); Perthane (Ethylan); Phenothrin*1; Phenothrin*2; Phenylphenol-2; Phorate; Phosalone; Phosmet; Phosphamidon (sum of isomers); Piperonyl butoxide; Pirimiphos-ethyl; Pirimiphos-methyl; Pretilachlor; Procymidone; Prodiamine; Profenofos; Profluralin; Propachlor; Propanil; Propargite; Propisochlor; Propyzamide; Proquinazid; Prothiofos; Pyraclofos; Pyrazophos; Pyridaben; Pyridalyl; Pyridaphenthion; Pyrifenox (sum of isomers); Pyrimethanil; Pyriofenone; Pyriproxyfen; Quinalphos; Quintozene; Resmethrin*1; Resmethrin*2; S421; Sedaxane; Spiromesifen; Sulfotep; Sulprofos; Tebuconazole; Tebufenpyrad; Tecnazene; Tefluthrin; Terbacil; Terbufos; Terbuthylazine; Tetradifon; Tetrachloroanililine-2,3,5,6; Tetrachlorvinphos; Tetramethrin*1; Tetramethrin*2; Thiometon; THPI; Tolclofos-methyl; Tolfenpyrad; Tolylfluanid; Transfluthrin; Triadimefon; Triadimenol; Triallate; Triazophos; Triflumizole; Trifluralin; Trichlorophenol-2,4,6; Vinclozolin |
| 10.22, 10.23 | Anthracene; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(k)fluoranthene; benzo(g,h,i)perylene; phenanthrene; fluoranthene; chrysene; indeno(1,2,3-c,d)pyrene; naphthalene; pyrene |
| 10.24 | gamma-HCH; heptachlor; methoxychlor; 4,4´-DDD; 4,4´-DDE; 4,4´-DDT; hexachlorobenzene;<br>*PCB congeners:* 28, 52, 101, 118, 138, 153, 180 |
| 10.25 | 4,4´-DDT;<br>*PCB congeners:* 28, 52, 101, 118, 138, 153, 180 |
| 10.26 | Aniline (in waste water only), Benzene; bromodichloromethane; chlorobenzene; chloroethene; dibromochloromethane; 1,2-dichlorobenzene; 1,3-dichlorobenzene; 1,4-dichlorobenzene; 1,2-dichloroethane; 1,1-dichloroethene; c-1,2-dichloroethene; t-1,2-dichloroethene; dichloromethane; ethylbenzene; styrene; tetrachloromethane; tetrachloroethene; toluene; tribromomethane; 1,1,2-trichloroethene; trichloromethane; o-xylene, m-xylene, p-xylene; methyl ethyl ketone |
| 10.27 | Benzene; ethylbenzene; tetrachloroethene; toluene; 1,1,2-trichloroethene; o-xylene; m-xylene; p-xylene |
| 10.28 | Chloroform, chloral hydrate, dichloroacetonitrile, dichlorobromomethane, dibromochloromethane, bromoform |
| 11.1 | 4,4-methylenediphenyldiisocyanate (MDI); 2,4-toluenediisocyanate (2,4-TDI); 2,6-toluenediisocyanate (2,6-TDI); 1,6-hexamethyldiisocyanate (HDI); isophoronediisocyanate (IPDI) |
| 11.2, 11.9, 11.16, 11.17 | naphthalene; acenaphthylene; acenaphthene; fluorene; phenanthrene; anthracene; fluoranthene; pyrene; benzo(a)anthracene; chrysene; benzo(k)fluoranthene; benzo(b)fluoranthene; benzo(a)pyrene; dibenzo(a,h)anthracene; benzo(g,h,i)perylene; indeno(1,2,3-c,d)pyrene |
| 11.3 | formaldehyde, acetaldehyde, acrolein, acetone, propionaldehyde, crotonaldehyde, 2-butanone, methacroleine, butyraldehyde, benzaldehyde, valeraldehyde, p-tolualdehyde, hexaldehyde |
| 11.4 | 1,2,4-Triazole; 2,4,5-T; 2,4,5-TP; 2,4-D; 2,4-DB; 2,6-dichlorobenzamide; 3,5-D; 3-Hydroxycarbofuran Abamectin; Acephate, Acetamiprid, Acetochlor, Acetochlor ESA, Acetochlor OA, Acibenzolar-S-methyl, Acifluorfen (Blazer), Aclonifen, Alachlor, Alachlor ESA, Alachlor OA, Aldicarb, Aldicarb sulfone (Aldoxycarb), Aldicarb sulfoxide, Alpha-Cypermethrin, Ametryn, Aminocarb, Aminopyralid, Amitraz, Atrazine, Atrazine-desethyl, Atrazine-desethyl-desisopropyl, Atrazine-2-hydroxy, Atrazine-desethyl-2-hydroxy, Atrazine-desethyl-desisopropyl-2-hydroxy, Atrazine-desisopropyl, Atrazine-desisopropyl-2-hydroxy, Azaconazole, Azinphos-methyl, Azoxystrobin, Azoxystrobin-o-demethyl, Benalaxyl, Bendiocarb, Benomyl, Bentazon, Bentazone-methyl, Benzoximate, Beta-Cypermethrin, Bifenazate, Bifenox, Bifenthrin, Bisfenol A, Bitertanol, Boscalid, Bromacil, Bromophos-ethyl, Bromuconazole, Bupirimate, Buprofezin, Butafenacil, Butachlor, Butachlor ESA, Butachlor OA, Butocarboxim, Butoxycarboxim, Carbaryl, Carbendazim, Carbetamide, Carbofuran, Carboxin, Carfentrazone ethyl, Clethodim, Clofentezine, Clomazone, Clopyralid, Clothianidin, Cyanazine, Cyazofamid, Cycloate, Cycluron, Cymoxanil, Cypermethrin, Cyproconazole, Cyprodinil, Cyromazine, DEET, Deltamethrin, Desmedipham, Desmetryn, Diazinon, Dicamba, Dichlofluanid, Dicrotophos, Diethofencarb, Difenoconazole, Diflubenzuron, Diflufenican, Dichlobutrazol, Dichlormid, Dichlorprop, Dichlorprop-P, Dichlorvos, Dimethachlor, Dimethachlor CGA 369873, Dimethachlor ESA, Dimethachlor OA, Dimethenamid, Dimethenamid ESA, Dimethenamid OA, Dimethoate, Dimethomorph, Dimoxystrobin, Diniconazole, Dinoseb, Dinotefuran, Dioxacarb, Diuron, Diuron monodesmethyl (DCPMU), Diuron-didesmethyl = 1-(3,4-dichlorfenyl)urea (DCPU), Dodine, Doramectin, Emamectin benzoate, EPN, |

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| Ordinal test number | Detailed information on activities within the scope of accreditation (determined analytes) |
|---|---|
| | Epoxiconazole, Eprinomectin, Esfenvalerate, Etaconazole, Ethiofencarb, Ethion, Ethiprole, Ethirimol, Ethofumesate, Etoxazole, Famoxadone, Fenamidone, Fenamiphos, Fenarimol, Fenazaquin, Fenbuconazole, Fenhexamid, Fenitrothion, Fenobucarb, Fenoxycarb, Fenpropathrin, Fenpropidin, Fenpropimorph, Fenpyrazamine, Fenpyroximate, Fenthion, Fenuron, Fenvalerate, Fipronil, Flonicamid, Fluazifop-P, Fluazifop-P-butyl, Fluazinam, Flubendiamide, Fludioxonil, Flufenacet, Flufenacet ESA, Flufenacet OA, Flufenoxuron, Fluometuron, Fluopicolid, Fluopyram, Fluoxastrobin, Fluroxypyr, Fluquinconazole, Flusilazole, Flutolanil, Flutriafol, Fluxapyroxad, Forchlorfenuron, Formetanate, Fuberidazole, Furalaxyl, Furathiocarb, Halofenozide, Haloxyfop-methyl, Haloxyfop-P, Hexaconazole, Hexaflumuron, Hexazinon, Hexythiazox, Hydramethylnon, Chloramben, Chlorantraniliprole, Chlorbromuron, Chlorfenvinphos, Chlorfluazuron, Chloridazon, Chloridazon-desfenyl, Chloridazon-methyl-desfenyl, Chloropropham, Chlorotoluron, Chlorotoluron-desmethyl, Chlorpyrifos, Chlorpyrifos-methyl, Chloroxuron, Chlorsulfuron, Imazalil, Imazamox, Imidacloprid, Indoxacarb, Ipconazole, Iprodione, Iprovalicarb, Irgarol 1051 (Cybutryne), Isocarbophos, Isoprocarb, Isoproturon, Isoproturon-desmethyl, Isoproturon-monodesmethyl, Isoxaben, Isoxaflutol, Isofenphos-methyl, Ivermectin B1a, Ivermectin B1b, Kresoxim methyl, Lenacil, Linuron, Lufenuron, Malathion, Mandipropamid, MCPA, MCPB, MCPP, Mefenacet, Mefenpyr-diethyl, Mepanipyrim, Mepronil, Mesotrione, Metaflumizone, Metalaxyl, Metamitron, Metazachlor, Metazachlor ESA, Metazachlor OA, Metconazole, Methabenzthiazuron, Methamidophos, Methiocarb, Methomyl, Methoprotryne, Methoxyfenozide, Metobromuron, Metolachlor, Metolachlor ESA, Metolachlor OA, Metoxuron, Metribuzin, Metribuzin diketo, Metribuzin-desamino, Metribuzin-desamino-diketo, Mevinphos, Mexacarbate, Monceren (Pencycuron), Monocrotophos, Monolinuron, Moxidectin, Myclobutanil, Napropamid, Neburon, Nicosulfuron, Nitenpyram, Novaluron, Nuarimol, Omethoate, Oxadixyl, Oxamyl, Oxyfluorfen, Paclobutrazol, Parathion, Parathion-methyl, Penconazole, Pendimethalin, Penthiopyrad Permethrin, Pethoxamid, Pethoxamid ESA, Phenmedipham, Phosalone, Phosmet, Picloram, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimiphos-methyl, Procymidone, Prochloraz, Promecarb, Prometon, Prometryne, Propachlor, Propachlor ESA, Propachlor OA, Propamocarb, Propaquizafop, Propargite, Propazine, Propham, Profenofos, Propiconazole, Propoxur, Propyzamide, Prosulfocarb, Prothioconazole, Prothiofos, Pymetrozine, Pyracarbolid, Pyraclostrobin, Pyrazophos, Pyridaben, Pyrimethanil, Pyriproxyfen, Quinmerac, Quinoxyfen, Quizalofop, Rotenone, S-Metolachlor, Sebuthylazine, Sebuthylazine-desethyl, Secbumeton, Siduron, Simazine, Simazine-2-hydroxy, Simetryn, Spinetoram, Spinosad = Spinosyn A + Spinosyn D, Spirodiclofen, Spiromesifen, Spirotetramat, Spiroxamine, Sulfentrazone, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebuthiuron, Teflubenzuron, Temephos, Terbumeton, Terbuthylazine, Terbuthylazine-2-hydroxy, Terbuthylazine-desethyl, Terbuthylazine-desethyl-2-hydroxy, Terbutryn, Tetraconazole, Tetrachlorvinphos, Tetramethrin, Thiabendazole, Thiacloprid, Thiamethoxam, Thidiazuron, Thiencarbazone-methyl, Thiobencarb, Thiofanox, Thiophanate-methyl, Thiram, Toclofos-methyl, Tolylfluanid, Triadimefon, Triadimenol, Triallate, Tricyclazole, Trietazine, Trifloxystrobin, Triflumizole, Triflumuron, Trichlorfon, Trinexapac-ethyl, Triticonazole, Vamidothion, Zoxamide |
| 11.5 | formaldehyde, acetaldehyde, acetone |
| 11.6 | bisphenol A (BPA), bisphenol A diglycidylether (BADGE), acrylonitril, Irganox 3114, Irganox 1076, Irganox 245, Irgafos 168, butylated hydroxytoluene (BHT), Irganox 1010 |
| 11.7 | 2,4,5-Trimethylaniline; 2,4-Diaminoanisole; 2,4-Diaminotoluene; 2,4-Dimethylaniline; 2,4-Toluendiamine (2,4-TDA); 2,6-Dimethylaniline; 2,6-Toluendiamine (2,6-TDA); 2-Methoxy-5-methylaniline; 2-Methyl-5-nitroaniline; 2-Naphthylamine; 3,3'-Dichlorobenzidine; 3,3'-Dimethylbenzidine; 4,4´-Diaminodiphenylether (4,4´-DPE); 4,4´-methylenebis-benzenamine (4,4´-MDA); 4,4'-Diamino-3,3'-dimethyldiphenylmethane; 4,4'-Diaminodiphenyl sulfide; 4,4'-Diaminodiphenylmethane; 4,4'-Methylene-bis(2-chloroaniline); 4,4'-Oxydianiline; 4-Aminoazobenzene; 4-Aminobiphenyl; 4-Chloro-2-methylaniline; 4-Chloroaniline; Aniline (ANL); Benzidine; m-Phenylenediamine (m-PDA); o-Aminoazotoluene; o-Anisidine; o-Dianisidine |
| 11.11, 11.12 | phenol; 3-methylphenol; 4-methylphenol; 2-methylphenol; 2,6-methylphenol; 2,4-methylphenol; 2,3-methylphenol; 3,4-methylphenol |
| 11.13 | formaldehyde, acetaldehyde, acrolein, acetone, propionaldehyde, crotonaldehyde, 2-butanone, butyraldehyde, benzaldehyde, valeraldehyde |
| 11.14 | benzoic acid, sorbic acid |

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| Ordinal test number | Detailed information on activities within the scope of accreditation (determined analytes) |
|---|---|
| 11.18 | 9-R hexahydrocannabinol (9-R HHC), 9-S hexahydrocannabinol (9-S HHC), Cannabidiol (CBD), Cannabidiolic acid (CBDA), Cannabidivaric acid (CBDVA), Cannabidivarin (CBDV), Cannabigerol (CBG), Cannabigerolic acid (CBGA), Cannabichromene (CBC), Cannabichromenic acid (CBCA), Cannabinol (CBN), Cannabinolic acid (CBNA), Tetrahydrocannabinol (THC), Tetrahydrocannabinolic acid (THCA), Tetrahydrocannabivarin (THCV), Tetrahydrocannabivaric acid (THCVA) |
| 11.19 | Aflatoxin B1, aflatoxin B2, aflatoxin G1, aflatoxin G2, ochratoxin A |
| 11.20 | 2,4,5-T; 2,4,5-TP; 2,4-D; 2,4-DB; 2,6-dichlorobenzamide; 3,5-D;<br>3-Hydroxycarbofuran, Abamectin, Acephate, Acetamiprid, Acetochlor, Acibenzolar-S-methyl, Acifluorfen (Blazer), Aclonifen, Alachlor, Aldicarb, Aldicarb-sulfone (Aldoxycarb), Aldicarb-sulfoxide, Allethrin, Allidochlor, Alpha-Cypermethrin, Ametryn, Aminocarb, Amitraz, Atrazine, Atrazine-desethyl, Atrazine-desethyl-desisopropyl, Atrazine-desisopropyl, Avermectin B1a, Azaconazole, Azinphos-ethyl, Azinphos-methyl, Azoxystrobin, Benalaxyl, Bendiocarb, Bentazone, Benzoximate, Beta-Cypermethrin, Bifenazate, Bifenox, Bifenthrin, Bitertanol, Boscalid, Bromfenvinphos, Bromophos-ethyl, Bromuconazole, BTS 27919 (N-(2,4-dimethylphenyl)formamide), Bupirimate, Buprofezin, Butafenacil, Butachlor, Butocarboxim, Butoxycarboxim, Carbaryl, Carbendazim, Carbetamide, Carbofuran, Carbophenothion, Carboxin, Carfentrazone-ethyl, Clethodim, Clofentezine, Clomazone, Clopyralid, Clothianidin, Coumaphos, Cyanazine, Cyazofamid, Cycloate, Cycluron, Cyhalothrin, Cymoxanil, Cyproconazole, Cyprodinil, Cyromazine, DEET, Deltamethrin, Desmedipham, Desmetryn, Diallate, Diazinon, Dicamba, Diclobutrazol, Dicrotophos, Diethofencarb, Difenoconazole, Diflubenzuron, Diflufenican, Dichlofluanid, Dichlorprop, Dichlorvos, Dimethachlor, Dimethoate, Dimethomorph, Dimoxystrobin, Diniconazole, Dinoseb, Dinotefuran, Dioxacarb, Diphenamid, Diquat, Diuron, Dodine, Doramectin, Edifenphos, Emamectin benzoate, EPN, Epoxiconazole, Eprinomectin, Esfenvalerate, Etaconazole, Ethiofencarb, Ethion, Ethiprole, Ethirimol, Ethofumesate, Ethofumesate-2keto, Ethofumesate-2keto-open-ring, Etoxazole, Famoxadone, Fenamidone, Fenamiphos, Fenarimol, Fenazaquin, Fenbuconazole, Fenhexamid, Fenobucarb, Fenoxycarb, Fenpropathrin, Fenpropidin, Fenpropimorph, Fenpyrazamine, Fenpyroximate, Fenthion, Fenvalerate, Fenuron, Fipronil, Flonicamid, Fluazifop-P-butyl, Fluazinam, Flubendiamide, Fludioxonil, Flufenacet, Flufenoxuron, Fluometuron, Fluopicolide, Fluopyram, Fluoxastrobin, Flupyradifurone, Fluquinconazole, Fluridone, Flusilazole, Flutolanil, Flutriafol, Fluvalinate-tau, Fluxapyroxad, Fonofos, Forchlorfenuron, Formetanate, Ftalimid, Fuberidazole, Furalaxyl, Furathiocarb, Halofenozide, Hexaconazole, Hexaflumuron, Hexazinone, Hexythiazox, Hydramethylnon, Chloramben, Chlorantraniliprole, Chlorfenvinphos, Chlorfluazuron, Chloridazon, Chloridazon-desphenyl, Chloridazon-methyl-desphenyl, Chlormequat, Chlorotoluron, Chloroxuron, Chlorpropham (CIPC), Chlorpyrifos ethyl, Chlorpyrifos-methyl, Chlorthiophos, Imazalil, Imidacloprid, Indoxacarb, Ipconazole, Iprodione, Iprovalicarb, Isazophos, Isocarbophos, Isofenphos-methyl, Isoprocarb, Isopropalin, Isoproturon, Isoxaben, Ivermectin B1a, Ivermectin B1b, Kresoxim-methyl, Lenacil, Leptophos, Linuron, Lufenuron, Malathion, Mandipropamid, MCPA, MCPB, MCPP (Mecoprop), Mefenacet, Mepanipyrim, Mepiquat, Mepronil, Mesotrione, Metaflumizone, Metalaxyl, Metamitron, Metazachlor, Metconazole, Methabenzthiazuron, Methacrifos, Methamidophos, Methiocarb, Methomyl, Methoprotryne, Methothrin, Methoxyfenozide, Metobromuron, Metolachlor, Metoxuron, Metribuzin, Mevinphos, Mexacarbate, Monceren (Pencycuron), Monocrotophos, Monolinuron, Moxidectin, Myclobutanil, Napropamide, Neburon, Nitenpyram, Nitralin, Norflurazon, Novaluron, Nuarimol, Omethoate, Oxadiazon, Oxadixyl, Oxamyl, Oxyfluorfen, Paclobutrazol, Paraquat, Parathion, Parathion-methyl, Pebulate, Penconazole, Pendimethalin, Penthiopyrad, Permethrin, Phenmedipham, Phenothrin, Phorate, Phosalone, Phosmet, Phosmet-oxon, Picloram, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimiphos-ethyl, Pirimiphos-methyl, Pretilachlor, Procymidone, Prodiamine, Profenofos, Prochloraz, Prochloraz BTS40348 metabolite, Prochloraz BTS44595 metabolite, Prochloraz BTS44596 metabolite, Promecarb, Prometon, Prometryn, Propachlor, Propamocarb, Propanil, Propargite, Propazine, Propham, Propiconazole, Propisochlor, Propoxur, Propyzamide, Prosulfocarb, Prothioconazole, Prothiofos, Pymetrozine, Pyracarbolid, Pyraclofos, Pyraclostrobin, Pyrazophos, Pyridaben, Pyridafol, Pyridaphenthion, Pyrimethanil, Pyriproxyfen, Quinalphos, Quinoxyfen, Resmethrin, Rotenone, Sebuthylazine, Secbumeton, Siduron, Simazine, Simetryn, Spinetoram, Spinetoram J, Spinetoram L, Spinosad = Spinosyn A + Spinosyn D, Spinosyn A, Spinosyn D, Spirodiclofen, Spiromesifen, Spirotetramat, Spirotetramat, Enol, Spirotetramat, Enol-glucoside, Spirotetramat, ketohydroxy, Spirotetramat, monohydroxy, |

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| Ordinal test number | Detailed information on activities within the scope of accreditation (determined analytes) |
|---|---|
| | Spiroxamine, Sulfentrazone, Sulfotep, Sulprofos, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebutam, Tebuthiuron, Teflubenzuron, Temephos, Terbufos, Terbumeton, Terbuthylazine, Terbuthylazine-desethyl, Terbutryn, Tetraconazole, Tetrahydroftalimid, Tetrachlorvinphos, Tetramethrin, Thiabendazole, Thiacloprid, Thiamethoxam, Thidiazuron, Thiobencarb, Thiofanox,, Thiophanate-methyl, Tolclofos-methyl, Tolylfluanid, Triadimefon, Triadimenol, Triallate, Triazophos, Tricyclazole, Trifloxystrobin, Triflumizole, Triflumuron, Trichlorfon, Triticonazole, Vamidothion, Zoxamide |
| 11.21 | Cucurbit[n]urils: Cucurbit[6]uril, Cucurbit[7]uril, Cucurbit[8]uril |
| 11.22 | perfluorooctanesulfonic acid (PFOS) |
| 11.23 | Aminomethylphosphoric acid (AMPA), Glufosinate ammonium, Glyphosate |
| 11.24 | *Halogenacetic acids (HAA):* monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, chlorodibromoacetic acid, bromodichloroacetic acid, bromochloroacetic acid, monobromoacetic acid, dibromoacetic acid, tribromoacetic acid |
| 11.25 | 17-β estradiol, gabapentin, ibuprofen |
| 11.26 | Anisodamine, Atropine, Atropine-N-oxide, Echimidine, Echimidine-N-oxide, Echinatine, Echinatine-N-oxide, Erucifoline, Erucifoline-N-oxide, Europine, Europine-N-oxide, Heliosupine, Heliosupine-N-oxide, Heliotrine, Heliotrine-N-oxide, Homatropine, Indicine, Indicine-N-oxide, Integerrimine, Integerrimine-N-oxide, Intermedine, Intermedine-N-oxide, Jacobine, Jacobine-N-oxide, Lasiocarpine, Lasiocarpine-N-oxide, Lycopsamine, Lycopsamine-N-oxide, Monocrotaline, Monocrotaline-N-oxide, Retrorsine, Retrorsine-N-oxide, Rinderine, Rinderine-N-oxide, Scopolamine, Scopolamine-N-oxide, Senecionine, Senecionine-N-oxide, Seneciphylline, Seneciphylline-N-oxide, Senecivernine, Senecivernine-N-oxide, Senkirkine, Spartioidine, Spartioidine-N-oxide, Trichodesmine, Usaramine, Usaramine-N-oxide |

**Specification of the scope of accreditation:**

| Ordinal test number | Detailed information on activities within the scope of accreditation (subject of testing) |
|---|---|
| 3.7 | **Location 1:** Solid matrices, oil, colours, toys, packaging, exposed filters, raw materials, solid biofuels, concrete additives<br>**Working place 5:** Solid matrices, raw materials, concrete additives |
| 1.1, 1.3, 1.4, 1.7, 1.9, 1.12, 2.1, 3.1, 3.3, 3.4, 6.1, 6.3, 6.4, 6.7, 6.8, 6.9, 6.10, 6.11, 6.13, 6.14, 6.17, 6.18, 6.20, 6.23, 6.26, 6.35, 7.3, 7.4, 7.5, 7.7, 7.13, 7.16, 8.1, 8.2, 9.1, 10.9, 10.11, 10.16, 10.22, 10.24, 10.26, 11.2, 11.11, 12.1, 12.3, 12.4, 12.5, 12.6, 12.8 | **Extracts** - aqueous extract according to the Decree No. 294/2005 Coll. (cancelled on 31. 12. 2020), Decree No. 273/2021 Coll., ČSN EN 12457-1 and ČSN EN 12457-4, extracts of materials for contact with drinking water according to Decree No. 409/2005 Coll. as amended, axtracts of filters and absorption tubes |
| 1.1, 1.3, 1.4, 1.6, 1.7, 1.9, 1.12, 2.1, 3.1, 3.3,3.4, 4.4, 4.5, 6.1, 6.3, 6.4, 6.5, 6.6,6.7, 6.8, 6.9, 6.10, 6.11, 6.12, 6.13, 6.14, 6.16, 6.17, 6.18, 6.20, 6.24, 6.26, 6.35, 7.1, 7.2, 7.3, 7.5, 7.6, 7.7, 7.13, 7.16, 8.1, 8.2, 9.1, 10.5, 10.7, 10.9, 10.11, 10.16, 10.17, 10.18, 10.22, 10.24, 10.26, 11.2, 11.5, 11.8, 11.10, 11.11, 11.22, 11.23, 11.25, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.8, 13.3, 13.4, 13.6, 13.7, 13.8, 13.13, 13.14, 13.17, 13.21, 13.22, 13.23, 13.24, 13.28, 13.33 | **Water** - drinking water, hot water, pool water and bathing water, bottled water, raw water, ground water, natural water (atmospheric, ground and surface water), waste water |
| 1.1, 1.3, 1.6, 1.12, 2.1, 3.1, 3.3, 3.4, 4.4, 6.1, 6.3, 6.4, 6.6, 6.7, 6.8, 6.9, 6.10, 6.11, 6.13, 6.14, 6.17, 6.18, 6.24, 6.35, 7.1, 7.2, 7.3, 7.5, 7.7, 7.11, 7.13, 7.16, 8.1, 8.2, 9.1, 10.5, 10.7, 10.9, 10.11, 10.16, 10.17, 10.18, 10.22, 10.24, 10.26, 11.2, 11.5, 11.10, 11.11, 12.1, 12.3, 12.4, 12.5, 12.6, 12.8 | **Special water** - mine water, process water, mixing water for concrete, additives for concrete, dialysis waters, solutions for healthcare and pharmacy |

**The Appendix is an integral part of**
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**Accredited entity according to ČSN EN ISO/IEC 17025:2018:**

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| Ordinal test number | Detailed information on activities within the scope of accreditation (subject of testing) |
|---|---|
| 7.4 | **Water except waste water** - drinking water, hot water, pool water and bathing water, bottled water, raw water, ground water, natural water (atmospheric, ground and surface water) |
| 1.2, 1.5, 1.8, 1.10, 2.2, 2.4, 2.15, 3.1, 3.5, 3.7, 6.15, 6.19, 6.31, 6.33, 6.36, 7.8, 7.9, 9.2, 9.3, 10.6, 10.8, 10.10, 10.12, 10.23, 10.25, 10.27, 11.9, 11.12, 11.13, 12.7 | **Solid matrices** - various types of solid samples (soils, sediments, composts, rocks, sludges, masonry, slags, wastes) |
| 1.5, 1.10, 2.2, 2.4, 2.7, 2.15, 3.1, 3.5, 3.7, 3.9, 5.1, 5.2, 5.4, 5.5, 5.9, 6.15, 6.33, 7.8, 9.2, 10.6, 10.25, 11.9 | **Raw materials** - cement and other building material, alternative fuels, de-icing salt |
| 1.13, 2.14, 6.29, 6.30, 8.3, 10.15 | **Gas mixtures** - natural gas, biogas, coke gas, mine air, landfill gas and propane-butane, pyrolysis gas |
| 2.11, 6.27, 6.28, 11.5, 11.6, 11.7, 11.8, 11.22, 13.10, 13.11, 13.12, 13.13, 13.16, 13.18, 13.19, 13.21, 13.27, 13.29, 13.30, 13.31 | **PBU (consumer goods)** - toys, products for children under 3 years of age, cosmetics, appliances and tools, materials in contact with food and water |
| 4.5, 6.27, 6.28, 11.5, 11.6, 11.7, 11.8, 11.22 | **PSV** - articles for contact with drinking water, chemicals for water treatment |
| 2.8, 3.1, 3.5, 3.7, 6.10, 9.2 | **Exposed filters** - filters exposed in immission and emission measurement |
| 2.3, 2.5, 3.1, 3.6, 3.8, 7.10, 10.4, 10.20, 11.14, 11.19, 13.10, 13.11, 13.12, 13.13, 13.16, 13.18, 13.19, 13.20, 13.27, 13.29, 13.30, 13.31, 13.33, 13.34 | **Food** - food of plant and animal origin, food supplements |
| 7.15, 10.18 | **Digestate, fermentate** - solid residue from biogas production by anaerobic digestion (i.e. controlled microbial transformation of organic compounds from biologically degradable waste without air) |

**Specification of the scope of accreditation:**

| Ordinal test number | Detailed information on activities within the scope of accreditation (source literature) |
|---|---|
| 12.6 | **Bulletin of the Ministry of the Environment, April 2007, Volume XVII, Part 4** - Guideline of the Waste Department for the determination of waste ecotoxicity |
| 14.2 | **Bulletin of the Ministry of Health of the Czech Republic, Volume 2017, Part 11** - Guideline for the measurement and evaluation of noise in non-working environment |
| 14.1, 14.3, 14.4 | **Bulletin of the Ministry of Health of the Czech Republic, Volume 2013, Part 4** - Guideline for the measurement and evaluation of noise and vibrations at workplace and vibrations in protected indoor areas of buildings |

## Sampling:

| Ordinal number | Sampling procedure name | Sampling procedure identification[1] | Subject of sampling |
|---|---|---|---|
| 1 [1,2,4,5] | Waste water sampling (manual and by automatic sampler) | SOP: SAM 01 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-10; ČSN EN ISO 5667-14) | Waste water |

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| Ordinal number | Sampling procedure name | Sampling procedure identification[1] | Subject of sampling |
|---|---|---|---|
| 2 [1,2,4,5] | Ground water sampling (manual and by automatic sampler) | SOP: SAM 02<br>(ČSN EN ISO 5667-1;<br>ČSN EN ISO 5667-3;<br>ČSN ISO 5667-4;<br>ČSN EN ISO 5667-6;<br>ČSN EN ISO 5667-14) | Surface water |
| 3 [1,2,4,5] | Drinking water sampling (manual sampling) | SOP: SAM 03<br>(ČSN EN ISO 5667-1;<br>ČSN EN ISO 5667-3;<br>ČSN ISO 5667-5;<br>ČSN EN ISO 5667-14;<br>ČSN EN ISO 19458;<br>Reg. No. 252/2004 Coll.) | Drinking water |
| 4 [1,2,4,5] | Ground water sampling (static and dynamic sampling) | SOP: SAM 04<br>(ČSN EN ISO 5667-1;<br>ČSN EN ISO 5667-3;<br>ČSN ISO 5667-11;<br>ČSN EN ISO 5667-14) | Ground water |
| 5 [1,2,4,5] | Sampling of water purification plant sludge (manual sampling) | SOP: SAM 05<br>(ČSN EN ISO 5667-1;<br>ČSN EN ISO 5667-13;<br>ČSN EN ISO 5667-15) | Water purification plant sludge |
| 6 [1,2,4,5] | Sampling of solid and pasty materials (manual sampling) | SOP: SAM 06A<br>(ČSN EN 14899;<br>ČSN EN 16457;<br>TNI CEN/TR 15310-1;<br>TNI CEN/TR 15310-5;<br>MoE Guideline published in MoE Bulletin No. 4/2008[2]) | Waste (solid materials - coarse, chunky, coarse and fine grained material, powder, granules; pasty waste) |
| 7 [1,2,4,5] | Sampling of soil and sediments and other solid materials (manual sampling) | SOP: SAM 07<br>(ČSN 01 5111;<br>ČSN ISO 5667-12;<br>ČSN EN ISO 5667-15;<br>TP 116,<br>JPP ÚKZUZ 2005) | Soils, sediments, soils, de-icing salts |
| 8 [1,2,4,5] | Sampling of pool and bathing water (manual sampling) | SOP: SAM 09<br>(ČSN EN ISO 5667-1;<br>ČSN EN ISO 5667-3;<br>ČSN ISO 5667-4;<br>ČSN EN ISO 5667-6;<br>ČSN EN ISO 5667-14;<br>ČSN EN ISO 19458;<br>Reg. No. 238/2011 Coll.) | Pool water, bathing water |

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| Ordinal number | Sampling procedure name | Sampling procedure identification[1] | Subject of sampling |
|---|---|---|---|
| 9 [1,2,4] | Sampling for microbiological testing of food, food raw materials, packaging, consumer goods and environment (by smears, prints) | SOP: SAM 10<br>(ČSN EN ISO 18593;<br>ČSN P CEN ISO/TS 17728) | Food, food raw materials, smears, packaging, PBU, prints |
| 10 [1,4] | Sampling for microbiological monitoring of air | SOP: SAM 11<br>(ČSN EN 13098;<br>Reg. No. 6/2003 Coll., Annex No. 3) | Working air, indoor air, outdoor air |
| 11 [1,2,4] | Sampling of gas into sampling containers and bags | SOP: SAM 12<br>(ČSN 01 5113;<br>ČSN 38 5520:1965) | Gaseous mixtures, waste gases, technological gases |
| 12 [1,3,4] | Sampling of chemicals | SOP: SAM 13<br>(ČSN EN 482;<br>ČSN EN 689+AC;<br>ČSN EN ISO 22065;<br>ČSN EN ISO 13137;<br>ČSN EN ISO 17621;<br>ČSN EN 1540;<br>ČSN EN 14042;<br>ČSN EN ISO 16017-1;<br>Reg. No. 6/2003 Coll.,<br>Government Regulation No. 361/2007 Coll.) | Working air, indoor air |
| 13 [1, 3, 4] | Sampling of inhalable and respirable fractions of dust and mineral fibres including asbestos (manual) | SOP: SAM 14<br>(ČSN EN 481;<br>ČSN EN 482;<br>ČSN EN 689+AC; Government Regulation No. 361/2007 Coll.) | Working air, indoor air |
| 14 [1,2,4,5] | Sampling of liquid materials (manual sampling) | SOP: SAM 06B<br>(ČSN EN 14899;<br>ČSN EN 16457;<br>TNI CEN/TR 15310-1;<br>TNI CEN/TR 15310-5;<br>MoE Guideline No. 4/2008) | Waste (liquids stored in containers and tanks) |

[1] if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

[2] superscript at the sampling ordinal number identifies the number of the location carrying out the sampling (the locations are identified on the first page of the document)

**Specification of the scope of accreditation:**

| Ordinal sampling number | Detailed information on activities within the scope of accreditation (reference literature) |
|---|---|
| 14 | Guideline of the Ministry of the Environment published in the MoE Bulletin No. 4/2008 - Guideline for Waste Sampling |

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

**LABTECH s.r.o.**
CAB number 1147, Testing Laboratory
Polní 340/23, Štýřice, 639 00 Brno

**Explanations of abbreviations:**

| | |
|---|---|
| SOP | Standard Operating Procedure of Labtech s.r.o. Testing Laboratory |
| IC | Ion Chromatography |
| ICP-OES | Inductively Coupled Plasma Atomic Emission Spectrometry |
| ICP-MS | Inductively Coupled Plasma Mass Spectrometry |
| IR | IR Spectrometry |
| ISE | Ion Selective Electrode |
| CFA | Continuous Flow Analysis |
| HPLC | High-Performance Liquid Chromatography |
| FLD | Fluorescence Detection |
| UV | UV (ultraviolet) Detection |
| DAD | Diode Array Detector |
| MWD | Multichannel UV/Vis Detector |
| MS | Mass Spectrometry |
| GC | Gas Chromatography |
| ECD | Electron Capture Detection |
| FID | Flame Ionization Detection |
| TCD | Thermal Conductivity Detection |
| MSD | Mass Detection |
| SPME | Solid phase microextration |
| JPP ÚKZÚZ | Uniform working procedures of the Central Institute for Supervising and Testing in Agriculture |
| AHEM | Acta Hygienica, Epidemiologica et Microbiologica |
| TP | Technical Specifications of the Ministry of Transport of the Czech Republic |
| TNV | Branch Technical Standard of Water Management |
| U.S.EPA | United States Environmental Protection Agency |
| NEN | Niederlandse Norm |
| VDI | Verein Deutscher Ingenieure |
| ÖNORM | Austrian Standard |
| MoE | Ministry of Environment |
| MoH | Ministry of Health |
| VDA, VW | Verband der Automobilindustrie, Automotive standards |
| NIOSH | National Institute for Occupation Safety and Health |
| OSHA | Occupational Safety and Health Administration |
| WHO | World Health Organisation |
| FOS | Fluchtige Organische Sauren (Volatile Organic Acids) |
| TAC | Total Anorganisches Carbonat (Total Inorganic Carbonates) |
| DPD | sulphate NN-diethyl-1,4-phenylenediamine |
| PV | Volkswagen Test Standards |
| TZL | Solid pollutants |