

**The Appendix is an integral part of
Certificate of Accreditation No. 715/2020 of 26/11/2020**

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

BIOANALYTIKA CZ, s.r.o.
Laboratory Chrudim
Píšťovy 820, Chrudim III, 537 01 Chrudim

Testing laboratory location:

- | | |
|-------------------------------|--|
| 1. Laboratory Chrudim | Píšťovy 820, Chrudim III, 537 01 Chrudim |
| 2. Location Dražkovice | Dražkovice č.p. 212, 533 33 Pardubice V. |

The laboratory has a flexible scope of accreditation permitted as detailed in the Annex.

Updated list of activities provided within the flexible scope of accreditation is available from the Laboratory Manager.

The laboratory provides expert opinions and interprets test results.

The Laboratory is qualified to carry out independent sampling.

Tests:

Ordinal number 1, 3	Test procedure/ method name	Test procedure/ method identification ²	Tested object
1* ¹	Determination of temperature	SOP - 01 (ČSN 75 7342)	Water ⁴ , hot water, bathing water ¹⁰
2* ¹	Determination of redox potential (ORP)	SOP - 02 (ČSN 75 7367)	Ground, bathing water ¹⁰
3* ¹	Determination of total and free chlorine (by HACH commercial analytical set) and bound chlorine by calculation from measured values	SOP - 03A (HACH Application notes)	Drinking, bottled water ¹² , hot water, bathing water ¹⁰
4 ¹	Determination of free and bound chlorine by colorimetric method	SOP - 04 (ČSN ISO 7393-2)	Drinking, bottled water ¹² , bathing water ¹⁰
5* ¹	Determination of odour and flavour – preliminary sensory tests	SOP - 05 (ČSN EN 1622, ČSN 75 7340)	Drinking, bottled water ¹²
6* ¹	Determination of dissolved oxygen – method with optical sensor	SOP - 06 A (ČSN ISO 17 289, HACH Application notes)	Water ⁴ , bathing water ¹⁰
7* ¹	Determination of ozone - HACH commercial analytical set	SOP - 07 (HACH Application notes)	Drinking, bottled water ¹² , bathing water ¹⁰
8* ¹	Determination of transparency	TNV 75 7340	Bathing water ¹⁰
9 ¹	Determination of turbidity by nephelometry - HACH commercial analytical set	SOP - 09 A (HACH method)	Drinking water, bottled water ¹² , hot water, bathing water ¹⁰ , ground water, surface water
10* ¹	Determination of turbidity by nephelometry - HANNA commercial analytical set	SOP - 09 B (HANNA method)	Drinking water, bottled water ¹² , hot water, bathing water ¹⁰ , ground water, surface water

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Ordinal number 1, 3	Test procedure/ method name	Test procedure/ method identification ²	Tested object
11 ¹	Determination of pH by potentiometry	SOP - 11 (ČSN 46 5735 p. 5.9, ČSN ISO 10390, ČSN EN 15933)	Soils ¹¹ , sludge ⁸ , sediments, solid waste ⁹ , composts
12 ¹	Determination of conductivity	SOP - 12 A (ČSN EN 27888)	Water ⁴ , aqueous extract ⁵
13 ¹	Determination of dry matter by gravimetry	SOP - 13 (ČSN 46 5735 p. 5.5, ČSN EN 15934)	Soils ¹¹ , sludge ⁸ , solid waste ⁹ , composts, sediments
14 ¹	Determination of combustibles (ash) by gravimetry	SOP - 14 (ČSN 46 5735 p. 5.6, ČSN EN 15935)	Soils ¹¹ , sludge ⁸ , solid waste ⁹ , composts, sediments
15 ¹	Determination of dissolved solids (RL 105°C) by gravimetry	SOP - 15 (ČSN 75 7346)	Water ⁴ , aqueous extract ⁵
16 ¹	Determination of suspended solids (NL 105°C) and loss on ignition of suspended solids (NL 550°C) by gravimetry	SOP - 16 (ČSN EN 872, ČSN 75 7350)	Water ⁴
17 ¹	Determination of dissolved inorganic salts (RAS) by gravimetric method after filtration through glass fibre filters	SOP - 17 (ČSN 75 7347)	Water ⁴
18 ¹	Determination of fluoride by ion selective electrode	SOP - 18 (ČSN ISO 10359)	Water ⁴ , aqueous extract ⁵
19 ¹	Determination of biochemical oxygen demand (BOD-5) by standard dilution method with nitrification suppression by membrane probe	SOP - 19 (ČSN EN ISO 5815-1)	Water ⁴
20 ¹	Determination of chemical oxygen demand with dichromate (COD-Cr) by spectrophotometry – HACH commercial analytical set, Merck Spectroquant commercial analytical set	SOP - 20 (ČSN ISO 15705 HACH application notes, Merck application notes)	Water ⁴ , bathing water ¹⁰ , aqueous extract ⁵
21 ¹	Determination of chemical oxygen demand with dichromate (COD _{Cr}) by titration method	SOP - 21 (ČSN ISO 6060)	Water ⁴ , hot water, aqueous extract ⁵
22 ¹	Determination of chemical oxygen demand using permanganate (COD-Mn) by titration	SOP - 22 (ČSN EN ISO 8467)	Water ⁴ , bathing water ¹⁰ , hot water, aqueous extract ⁵

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Ordinal number 1, 3	Test procedure/ method name	Test procedure/ method identification ²	Tested object
23 ¹	Determination of ammonium (NH ₄ ⁺) by manual spectrophotometric method, ammonia nitrogen (N-NH ₄) and free ammonia by calculation from measured values	SOP - 23 (ČSN ISO 7150-1, Pitter, P.: Hydrochemistry, 4th issue, UCT Prague 2009)	Water ⁴ , hot water, aqueous extract ⁵
24 ¹	Determination of nitrite (NO ₂) by spectrophotometry with sulphosalicylic acid and N-(1-naphthyl)-1,2-ethylenediaminedihydrochloride and nitrite nitrogen (N-NO ₂) by calculation from measured values	SOP - 24 (ČSN EN 26777)	Water ⁴ , hot water, aqueous extract ⁵
25 ¹	Determination of N-NO ₃ by ion selective electrode	SOP - 25 (Zbiral, J., Malý, S., Váňa M. et al.: Uniform working procedures – Analysis of Soils III, ÚKZÚZ Brno 2011)	Soils ¹¹ , sediments, sludge, solid waste ⁹
26 ¹	Determination of nitrate (NO ₃ ⁻) by spectrophotometry in UV range	SOP - 26 (Horáková, M., Lischke, P., Grünwald, A.: Chemical and Physical Methods for Water Analysis, Prague, 1986)	Drinking, bottled water ¹²
27 ¹	Determination of total nitrogen (N-total) as nitrate by spectrophotometry after oxidation with Merck Crack Set agent and inorganic nitrogen (N-inorg.) by calculation from measured values	SOP - 27 (Merck Application notes)	Water ⁴ , hot water, aqueous extract ⁵
28 ¹	Determination of dissolved inorganic phosphate – Merck Spectroquant commercial analytical set	SOP - 28 (Merck Application notes)	Water ⁴ , hot water, aqueous extract ⁵
29 ¹	Determination of total phosphorus (P-total) after transformation to phosphate by Merck Crack Set agent	SOP - 29 (Merck Application notes)	Water ⁴ , aqueous extract ⁵
30 ¹	Determination of N-NH ₄ by spectrophotometry	SOP - 30 (Zbiral, J., Malý, S., Váňa M. et al.: Uniform working procedures – Analysis of Soils III, ÚKZÚZ Brno 2011)	Soils ¹¹ , sediments, sludge ⁸ , solid waste ⁹
31 ¹	Determination of total and free cyanides after distillation by spectrophotometry	SOP - 31 (ČSN ISO 6703-1:1995, ČSN ISO 6703-2, ČSN 75 7415)	Water ⁴ , aqueous extract ⁵

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Ordinal number 1, 3	Test procedure/ method name	Test procedure/ method identification ²	Tested object
32 ¹	Determination of univalent phenols volatilising with water steam by spectrophotometry with aminoantipyrine	SOP - 32 (ČSN ISO 6439)	Water ⁴ , aqueous extract ⁵
33 ¹	Determination of hexavalent chromium (Cr ^{VI}) by spectrophotometry	SOP - 33 (ČSN ISO 11083, ČSN EN ISO 18412)	Water ⁴ , aqueous extract ⁵
34 ¹	Determination of chloride by silver nitrate titration according to Mohr and calculation of the content of water-soluble chlorides in dry matter from the values determined for the aqueous extract	SOP - 34 (ČSN ISO 9297)	Water ⁴ , aqueous extract ⁵
35 ¹	Determination of chloride by argentometry with microcoulometric generation of Ag ⁺ and potentiometric detection of equivalence point and calculation of the content of water-soluble chlorides in dry matter from the values determined for the aqueous extract	SOP - 35 (Labtech manual)	Water ⁴ , aqueous extract ⁵
36 ¹	Determination of sulphate by titration with lead nitrate and calculation of the content of water-soluble sulphate in dry matter from the values determined for the aqueous extract	SOP - 36 (ČSN 75 7477)	Water ⁴ , aqueous extract ⁵
37 ¹	Determination of acid neutralizing capacity (ANC-4,5) and ANC-8,3 by neutralization titration and calculation of carbon dioxide forms from measured values of ANC and base neutralizing capacity BNC	SOP - 37 (ČSN EN ISO 9963-1, ČSN 75 7373)	Drinking, ground water
38 ¹	Determination of base neutralizing capacity (BNC-8,3) and BNC-4,5 by neutralization titration	SOP - 38 (ČSN 75 7372)	Drinking, ground water
39 ¹	Determination of the sum of calcium and magnesium (water hardness) and calcium by complexometric method and magnesium by calculation from measured values	SOP - 39 (ČSN ISO 6059)	Drinking, bottled water ¹² , surface and ground water, heating water
40 ¹	Determination of Fe(II) by absorption spectrometry with o-phenanthroline and Fe(III) by calculation from measured values	SOP - 40 (ČSN ISO 6332)	Drinking, ground water

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Ordinal number 1, 3	Test procedure/ method name	Test procedure/ method identification ²	Tested object
41 ¹	Determination of elements ¹³ by AAS/flame method and calculation of hardness of water from the measured values of calcium and magnesium	SOP - 41 (ČSN EN ISO 5961, ČSN ISO 7980, ČSN ISO 8288, ČSN 75 7400, ČSN EN 1233)	Water ⁴ , aqueous extract ⁵
42 ¹	Determination of elements ¹³ by AAS/flame method	SOP - 42 (ČSN EN ISO 5961, ČSN ISO 7980, ČSN EN ISO 8288, ČSN 75 7400, ČSN EN 1233)	Soils ¹¹ , sludge ⁸ , sediments, solid waste ⁹
43 ¹	Determination of elements ¹³ by AAS/flame method	SOP - 43 (ČSN EN ISO 5961, ČSN ISO 7980, ČSN EN ISO 8288, ČSN 75 7400, ČSN EN 1233)	Working environment, emissions (absorbate, condensate, filter)
44 ¹	Determination of elements ¹⁴ by AAS/ETA method	SOP - 44 (ČSN EN ISO 5961, ČSN EN ISO 15586)	Water ⁴ , bathing water ¹⁰ , aqueous extract ⁵
45 ¹	Determination of elements ¹⁴ by AAS/ETA method	SOP - 45 (ČSN EN ISO 5961, ČSN EN ISO 15586)	Soils ¹¹ , sludge ⁸ , sediments, solid waste ⁹
46 ¹	Determination of elements ¹⁴ by AAS/ETA method	SOP - 46 (ČSN EN ISO 5961, ČSN EN ISO 15586)	Working environment, emissions (absorbate, condensate, filter)
47 ¹	Determination of mercury by analyser AMA-254	SOP - 47 (ČSN 75 7440)	Water ⁴ , aqueous extract ⁵ ; Soils ¹¹ , sludge ⁸ , sediments, solid waste ⁹ ; Emissions and working environment (absorbate, condensate, filter)
48 ¹	Determination of sodium and potassium by flame emission spectrometry and determination of total mineralization by calculation from measured values	SOP - 48 (ČSN ISO 9964-3, ČSN 75 7358)	Water ⁴
49 ¹	Determination of chlorophyll- <i>a</i> by spectrophotometry	SOP-49 (ČSN ISO 10260)	Surface, bathing water ¹⁰ – natural bathing places
50 ¹	Determination of radon activity concentration ²²² Rn by gamma-ray spectrometry method	SOP - 50 (ČSN 75 7624)	Drinking, bottled water ¹² , ground water

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51* ¹	Determination of chlorine dioxide - HACH commercial analytical set	SOP - 03 B (HACH Application notes)	Drinking, bottled water ¹² , hot water, bathing water ¹⁰
52 ¹	Determination of total cyanide by spectrophotometry after distillation	SOP - 52 (EPA Method 9013A, ČSN 75 7415)	Soils ¹¹ , solid waste ⁹
53 ¹	Determination of phenols volatilising with water steam by spectrophotometric method	SOP - 53 (EPA Method 420.1, ČSN ISO 6439)	Soils ¹¹ , sediments, solid waste ⁹
54 ¹	Determination of humic substances (HL) by spectrophotometry	SOP - 54 (ČSN 75 7536)	Drinking water, bottled water ¹² , surface water, ground water, raw water for the production of drinking water
55 ¹	Determination of colour by spectrophotometry	SOP - 55 (ČSN EN ISO 7887, method C)	Water ⁴ , aqueous extract ⁵
56 ¹	Determination of absorbance of 254 nm wavelength UV radiation	SOP - 56 (ČSN 75 7360)	Water ⁴ , aqueous extract ⁵
57 ¹	Determination of reactive silicon by spectrophotometry with ammonium molybdate	SOP - 57 (ČSN 75 7481)	Drinking, surface, ground water, water for energy purposes
58 ¹	Determination of selected phenol derivatives ¹⁵ by GC / MS method and calculation of summary parameters from measured values	SOP - 58 (EPA Method 8041A, EPA Method 3550C, EPA Method 3650B)	Soils ¹¹ , sediments, solid waste ⁹
59 ¹	Determination of pH by potentiometry	SOP - 10 A (ČSN ISO 10523)	Water ⁴ , hot water, bathing water ¹⁰ , aqueous extract ⁵
60* ¹	Determination of pH by potentiometry	SOP - 10 B (ČSN ISO 10523)	Water ⁴ , hot water, bathing water ¹⁰
61 ¹	Determination of nonpolar extractives / extractives (NEL/EL) by infrared spectrometry method	SOP - 61 (ČSN 75 7505: 1998, ČSN 75 7506)	Water ⁴ , aqueous extract ⁵
62 ¹	Determination of non-polar extractives (NEL) by infrared spectrometry method	SOP - 62 (TNV 75 8052)	Soils ¹¹ , sludge ⁸ , sediments, solid waste ⁹
63 ¹	Determination of volatile organic compounds ¹⁶ by static head space GC/MS method and calculation of summary parameters from measured values	SOP - 63 (ČSN EN ISO 10301, ČSN 75 7550:2013)	Water ⁴ , hot water

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64 ¹	Determination of volatile organic compounds ¹⁷ by head space/GC-MS method and calculation of summary parameters from measured values	SOP - 64 (ČSN EN ISO 22155)	Soils ¹¹ , sediments, solid waste ⁹ , sludge ⁸
65 ¹	Determination of polycyclic aromatic hydrocarbon ¹⁸ by GC/MS method and calculation of summary parameters from measured values	SOP - 65 (ČSN EN 15527)	Soils ¹¹ , sediments, solid waste ⁹
66 ¹	Determination of the sum of hydrocarbons C10 to C40 by gas chromatography (GC/FID) method	SOP - 66 (ČSN EN ISO 9377-2)	Water ⁴ , aqueous extract ⁵
67 ¹	Determination of the sum of hydrocarbons C10 to C40 by gas chromatography (GC/FID) method	SOP - 67 (ČSN EN 14039)	Soils ¹¹ , sediments, solid waste ⁹ , sludge ⁸
68 ¹	Determination of polychlorinated biphenyls ¹⁹ (PCB) by GC/MS method and calculation of summary parameters from measured values	SOP - 68 (ČSN EN ISO 6468)	Water ⁴ , aqueous extract ⁵
69 ¹	Determination of polychlorinated biphenyls ¹⁹ (PCB) by GC/MS method and calculation of summary parameters from measured values	SOP - 69 (ČSN EN 61619, ČSN EN 16167, DIN 38407-2:1993)	Soils ¹¹ , sediments, solid waste ⁹ , sludge ⁸ , petroleum products
70 ¹	Determination of specified organochlorinated pesticides ²⁰ (OCP) and chlorobenzenes by GC/MS method after liquid/liquid extraction and calculation of summary parameters from measured values	SOP – 70 (ČSN EN ISO 6468)	Water ⁴ , aqueous extract ⁵
71 ¹	Determination of organochlorinated pesticides ²¹ (OCP) by GC/MS method and calculation of summary parameters from measured values	SOP – 71 (DIN 38407-2)	Soils ¹¹ , sediments, solid waste ⁹ , sludge ⁸
72 ¹	Determination of methane by gas chromatography GC/FID method	SOP – 72 (ČSN EN 482+A1, Supelco, Application Note 10, 1994)	Soil air, landfill gas

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73 ¹	Determination of light volatile hydrocarbons (methane, ethane, ethene) by gas chromatography GC/FID method	SOP – 73 (Lewin, K., Blakey, N.C., Cooke, D.A.: The Validation of Methodology in the Determination of Methane in Water – Final Report No. 21/1990. Water Research Centre, Marlow, Buckinghamshire SL7 2HD)	Ground water
74 ¹	Determination of polycyclic aromatic hydrocarbons ²² (PAH) by HPLC method with fluorescence detection and calculation of summary parameters from measured values	SOP - 74 (ČSN EN ISO 17993, ČSN 75 7554)	Water ⁴ , aqueous extract ⁵
75 ¹	Determination of polycyclic aromatic hydrocarbons ²³ (PAH) by HPLC method with fluorescence detection and calculation of summary parameters from measured values	SOP – 75 (Plhalová, Š., Veverková I.: Determination of PAH in Soils ¹¹ by HPLC method, Laboratory Department Bulletin 2/2003, ÚKZÚZ Brno)	Soils ¹¹ , sludge ⁸ , sediments, solid waste ⁹
76 ¹	Determination of polycyclic aromatic hydrocarbon ²³ (PAH) by GC/MS method and calculation of summary parameters from measured values	SOP - 76 (ČSN P ISO/TS 28581)	Water ⁴ , aqueous extract ⁵
77 ¹	Determination of selected herbicides ²⁴ by HPLC method with UV detection and calculation of summary parameters from measured values	SOP – 77 (ČSN EN ISO 11369)	Drinking, surface and ground water
78 ¹	Determination of selected herbicides ²⁵ by HPLC method with UV detection and calculation of summary parameters from measured values	SOP – 78 (ČSN EN ISO 11369 Supelco Bulletin 910)	Soils ¹¹ , building materials, sediments
79 ¹	Determination of TOC/DOC and TIC by NDIR analyzer	SOP - 79 (ČSN EN 1484)	Water ⁴ , hot water, bathing water ¹⁰ , aqueous extract ⁵
80 ¹	Determination of total organic carbon (TOC) by NDIR analyzer	SOP - 80 (ČSN EN 13137 ČSN ISO 10694, ČSN EN 15936)	Soils ¹¹ , sediments, sludge ⁸ , waste ⁹
81 ¹	Determination of adsorbable organically bound halogens (AOX) by coulometry	SOP - 81 (ČSN EN ISO 9562, TNI 75 7531)	Water ⁴ , aqueous extract ⁵

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Ordinal number 1, 3	Test procedure/ method name	Test procedure/ method identification ²	Tested object
82 ¹	Determination of selected phenol derivatives ²⁶ by GC/MS method including calculation of summary parameters from measured values	SOP - 82 ČSN EN 12673	Drinking, ground, surface, waste water, aqueous extract ⁵
83* ¹	Determination of dissolved oxygen – method with galvanic sensor	SOP - 06 B (ČSN EN ISO 5814, HANNA Application notes)	Water ⁴ , bathing water ¹⁰
84* ¹	Determination of conductivity	SOP - 12 B (ČSN EN 27888)	Water ⁴
85 ¹	Determination of aniline and its selected derivatives ²⁷ by GC/MS method	SOP - 87 (EPA Method 8270D, EPA Method 3510C)	Monitoring wells, surface water, waste water
86 ¹	Determination of anionic surfactants by spectrophotometry	SOP - 89 (ČSN EN 903)	Drinking, surface, ground, waste water
87 ¹	Determination of dissolved sulphide in water by spectrophotometry	SOP - 90 (ČSN ISO 10530, Merck Application notes)	Drinking, surface, ground, waste water
88 ¹	Determination of extractable organically bound halogens (EOX) by coulometry	SOP – 95 (DIN 38414-17)	Soils ¹¹ , sludge ⁸ , sediments, solid waste ⁹
89 ¹	Determination of adsorbable organically bound halogens (AOX) by coulometry	SOP - 96 (ČSN EN 16166)	Soils ¹¹ , sludge ⁸ , sediments, solid waste ⁹
90 ¹	Determination of selected phthalates ²⁸ by GC/MS method	SOP - 97 (ČSN EN ISO 18856)	Water ⁴
91 ¹	Determination of selected phthalates ²⁸ by GC/MS method	SOP - 98 (ČSN P CEN/TS 16183)	Soils ¹¹ , sediments, sludge ⁸ and solid waste ⁹
92 ¹	Determination of selected elements ²⁹ by ICP-OES method	SOP - 101 (ČSN EN ISO 11885, Shimadzu ICPE-9000 Manual)	Water ⁴ , bathing water ¹⁰ , aqueous extract ⁵
93 ¹	Determination of selected elements ²⁹ by ICP-OES method	SOP - 102 (ČSN EN ISO 11885, ČSN EN 13657, Shimadzu ICPE-9000 Manual)	Soils ¹¹ , sludge ⁸ , sediments, solid waste ⁹
94 ¹	Determination of selected elements ²⁹ by ICP-OES method	SOP - 103 (ČSN EN ISO 11885, Shimadzu ICPE-9000 Manual)	Working environment, emissions (absorbate, condensate, filter)
95 ¹	Determination of nitrate by Merck set and nitrate nitrogen (N-NO ₃) by calculation from measured values	SOP - 104 (Merck Application notes)	Water ⁴

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Ordinal number 1, 3	Test procedure/ method name	Test procedure/ method identification ²	Tested object
96 ¹	Determination of nitrate by photometric method with 2,6-dimethylphenol in test tubes and nitrate nitrogen (N-NO ₃) by calculation from measured values	SOP - 104 B (ČSN 75 7455)	Water ⁴ , bathing water ¹⁰ , aqueous extract
97 ¹	Determination of nonionic surfactants by photometry by Merck Spectroquant cuvette test	SOP - 109 (Merck Application notes)	Drinking, surface, ground, waste water
98 ¹	Determination of elements ²⁹ by ICP-MS method	SOP - 113 (ČSN EN ISO 17294-1, ČSN EN ISO 17294-2)	Water ⁴ , bathing water ¹⁰ , aqueous extract ⁵
99 ¹	Determination of elements ²⁹ by ICP-MS method	SOP - 114 (ČSN EN 17171)	Soils ¹¹ , sludge ⁸ , sediments, solid waste ⁹
100 ¹	Determination of elements ²⁹ by ICP-MS method	SOP - 115 (ČSN EN 17171, (Manual to the Shimadzu instrument)	Working environment, emissions (absorbate, condensate, filter)
101-199	Reserved		
200* ²	Determination of velocity and volume flow rate	SOP - 200 (ČSN ISO 10780, ČSN EN ISO 16911-1)	Emissions
201* ²	Determination of water vapour in ducts (by condensation, condensation adsorption method, capacitance detector, psychrometry)	SOP - 201 (ČSN EN 14790, ČSN ISO 4677-1:1996, ČSN ISO 4677-2:1996)	Emissions
202* ²³	Determination of mass concentration of gaseous pollutants by automated NO _x , CO, SO ₂ (NDIR) analyzers	SOP – 202 A (ČSN ISO 10849, ČSN EN 15058, ČSN ISO 7935)	Emissions
203 ²	Determination of the volume concentration of oxygen by automatic analyzer (paramagnetic method)	SOP - 203 (ČSN EN 14789)	Emissions
204* ²	Determination of total mass concentration of organic compounds expressed as total organic carbon (TOC) by automatic analyzers (FID)	SOP - 204 (ČSN EN 12619)	Emissions
205* ²	Determination of methane (CH ₄) and the sum of organic compounds by automatic analyzers (FID, photoionization detector, infrared spectrometry)	SOP - 205 (ČSN EN ISO 25140, MoE Guideline of 31/07/1996)	Emissions, soil air

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206 ²	Determination of mass concentration of solid pollutants by gravimetry	SOP - 206 (ČSN EN 13284-1, ČSN ISO 9096:1998 Gov. Reg. No. 361/2007 Coll.)	Emissions, working, indoor and outdoor air (filters)
207 ¹	Determination of mass concentration of gaseous inorganic compounds of fluorine by ion selective electrode	SOP - 207 (ČSN 83 4752 – 1, ČSN 83 4752 – 3)	Emissions, working, indoor and outdoor air (absorbate)
208 ¹	Determination of mass concentration of gaseous inorganic compounds of chlorine by argentometry with microcoulometric generation of Ag ⁺ and potentiometric detection of equivalence point	SOP - 208 (ČSN EN 1911, Labtech manual)	Emissions, working, indoor and outdoor air (absorbate)
209 ¹	Determination of mass concentration of ammonia by spectrophotometry	SOP - 209 (ČSN 83 4728 – 1, ČSN 83 4728 – 4)	Emissions, working, indoor and outdoor air (absorbate)
210 ²	Determination of mass concentration of gaseous pollutants with NOx automatic analyzer (chemiluminescence)	SOP - 202 B (ČSN EN 14792)	Emissions
211 ¹	Determination of mass concentration of hydrogen cyanide and cyanide by spectrophotometry	SOP - 211 (ČSN ISO 6703-1:1995, ČSN ISO 6703-2, ČSN 75 7415, EPA Method 9010B)	Emissions, working, indoor and outdoor air (absorbate)
212 ¹	Determination of mass concentration of strong inorganic acids by spectrophotometry	SOP - 212 (Sanitary Regulation No. 60, page 40, 1981)	Emissions, working, indoor and outdoor air (absorbate)
213 ¹	Determination of mass concentration of volatile organic compounds ³⁰ (VOC) by gas chromatography method GC/MS: see Addendum 4	SOP - 213 (ČSN P CEN/TS 13649)	Emissions, working, indoor and outdoor air, soil air (sorbent)
214 ²	Determination of mass concentration of metals by calculation from measured values (s, Cd, Be, Cr, Co, Ni, Tl, Se, Te, Sb, Sn, Mn, Cu, Pb, V, Zn, Al, Hg)	SOP - 214 (ČSN EN 13211, ČSN EN 14385, EPA Method 29)	Emissions (filter, absorbate)
215 ²	Determination of mass concentration of persistent compounds (POPs) by calculation from measured values ⁷ (PCDD/PCDF, PCB, PAU)	SOP - 215 (ČSN EN 1948-3, ČSN EN 1948-4 +A1, ISO 11338-1, ISO 11338-2)	Emissions (filter, condensate, absorbate)

**The Appendix is an integral part of
Certificate of Accreditation No. 715/2020 of 26/11/2020**

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

BIOANALYTIKA CZ, s.r.o.
Laboratory Chrudim
Píšťovy 820, Chrudim III, 537 01 Chrudim

Ordinal number 1, 3	Test procedure/ method name	Test procedure/ method identification ²	Tested object
216 ²	Determination of mass concentration of gases and vapours taken into liquid by the calculation from measured values (HF, HCl, Cl ₂ , H ⁺ , HCN, CN ⁻ , H ₂ S, phenols, SO ₂)	SOP - 216 (ČSN EN 1911, ČSN 83 4751-1:1988, ČSN 83 4752-1, ČSN 83 4728-1)	Emissions (absorbate, filter)
217 ²	Determination of mass concentration of gases and vapours taken on a solid sorbent by calculation from measured values (VOC, carbonyl compounds)	SOP - 217 (ČSN P CEN/TS 13649)	Emissions (sorbent)
218 ²	Measurement of microclimatic conditions (humidity, temperature, air flow)	SOP - 218 (ČSN EN ISO 7726, MoH Bulletin No. 8/2013 – Measurement of microclimatic parameters of working and building interior environment)	Working, indoor and outdoor air
219 ¹	Determination of mass concentration of phenols by spectrophotometry – Merck commercial analytical set	SOP - 219 (Merck Application notes)	Water ⁴ , aqueous extract ⁵ , emissions, working, indoor and outdoor air (absorbate)
220 ²	Measurement of noise	SOP - 220 (MoH Bulletin 4/2013 – Guideline for the measurement and evaluation of noise and vibrations at workplace and vibrations in protected indoor areas of buildings HEM 300 - 26.4.01 - 16344, HEM 300 - 11.12.01 - 34065, OVZ - 32.0 - 19.2.2007/6306, OVZ - 32.3 - 1.11.2010/62545, Annex to MoE Bulletin of III/1996, TP 189 II. issue, EDIP s.r.o. ČSN ISO 1996-1, ČSN ISO 1996-2, ČSN EN ISO 9612, ČSN ISO 1999, ČSN EN ISO 3744, ČSN EN ISO 3746, ČSN EN ISO 3747, ČSN ISO 3891, ČSN ISO 9613-2, ČSN EN ISO 11201, ČSN EN ISO 11202, ČSN EN ISO 11203, ČSN EN ISO 11204)	Workplace and non- workplace environment

**The Appendix is an integral part of
Certificate of Accreditation No. 715/2020 of 26/11/2020**

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

BIOANALYTIKA CZ, s.r.o.
Laboratory Chrudim
Píšťovy 820, Chrudim III, 537 01 Chrudim

Ordinal number 1, 3	Test procedure/ method name	Test procedure/ method identification ²	Tested object
221 ²	Measurement of vibration	SOP - 221 (ČSN EN ISO 5349-1, ČSN EN ISO 5349-2, ČSN ISO 2631-1, ČSN EN 14253+A1, ČSN EN ISO 8041-1, MoA Bulletin 4/2013 – Guideline for the measurement and evaluation of noise and vibrations at workplace and vibrations in protected indoor areas of buildings)	Working and non-working environment
222 ²	Measurement of lighting	SOP - 222 (ČSN EN 12665, ČSN 36 0011-1, ČSN 36 0011-2, ČSN 36 0011-3, ČSN 36 0011-4, ČSN EN 12464-1, ČSN EN 12464-2, ČSN 73 4301, ČSN 73 0580-1, ČSN 73 0580-2, ČSN 73 0580-3, ČSN 73 0580-4, ČSN EN 1838, ČSN EN 12193, ČSN 36 0020, TNI 36 0450, TNI 36 0451)	Indoor and outdoor environment
223 ²	Semiquantitative determination of analytes ³¹ by means of detection tubes	SOP - 223 (ČSN 83 0401:1986, ČSN 83 0411:1986, ČSN 83 0412:1986, ČSN 83 0415:1986, ČSN EN 1231:1998, Gastec and Dräger manuals)	Emissions, working, indoor and outdoor air, soil air
224 ¹	Determination of carbonyl compounds ³² after catching on a sorbent with bound 2,4- dinitrophenylhydrazine by HPLC method with UV detection	SOP - 224 (EPA –Method TO-5)	Working, indoor and outdoor air, emissions
225 - 299	Reserved		

**The Appendix is an integral part of
Certificate of Accreditation No. 715/2020 of 26/11/2020**

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

BIOANALYTIKA CZ, s.r.o.
Laboratory Chrudim
Pišťovy 820, Chrudim III, 537 01 Chrudim

Ordinal number 1, 3	Test procedure/ method name	Test procedure/ method identification ²	Tested object
300 ¹	Detection and enumeration of <i>Pseudomonas aeruginosa</i> by membrane filtration method	SOP - 300 (ČSN EN ISO 16266)	Drinking, bottled ¹² , hot, surface, waste, bathing water ¹⁰ , mineral water ⁶
301 ¹	Detection and enumeration of <i>Clostridium perfringens</i> by membrane filtration method	SOP - 301 (Reg. 252/2004 Coll., Annex No. 6)	Drinking, surface, waste, bathing water
302 ¹	Determination of thermotolerant coliform bacteria by membrane filtration method	SOP - 302 (ČSN 75 7835)	Drinking, surface, waste, bathing water
303 ¹	Enumeration of <i>Staphylococcus aureus</i> by membrane filtration method	SOP - 303 (ČSN EN ISO 6888-1, ČSN EN ISO 6888-2)	Surface, waste, bathing, hot water
304 ¹	Enumeration of indicator microorganisms by direct inoculation method	SOP - 304 (AHM 1/2008, AHM 7/2001)	Sludge ⁸ , sand, sediments, composts
305 ¹	Enumeration of culturable microorganisms at 22 °C and 36 °C by direct inoculation in a nutrient agar culture medium	SOP - 306 (ČSN EN ISO 6222)	Drinking, bottled ¹² , hot, ground, surface, bathing ¹⁰ , mineral water ⁶
306 ¹	Detection and enumeration of coliform bacteria by membrane filtration method	SOP - 307 (ČSN 75 7837)	Drinking, surface, waste, bathing water ¹⁰
307 ¹	Detection and enumeration of intestinal enterococci by membrane filtration method	SOP - 308 (ČSN EN ISO 7899-2)	Drinking, bottled ¹² , ground, surface, waste, bathing ¹⁰ , mineral water ⁶
308 ¹	Detection and enumeration of mesophilic bacteria by direct inoculation in a nutrient agar culture medium	SOP - 309 (ČSN 75 7841)	Surface, ground water
309 ¹	Detection and enumeration of psychrophilic bacteria by direct inoculation in a nutrient agar culture medium	SOP - 310 (ČSN 75 7842)	Surface, ground water
310 ¹	Detection and enumeration of <i>Escherichia coli</i> and coliform bacteria by membrane filtration method	SOP - 311 (ČSN EN ISO 9308-1)	Disinfected drinking water, bottled water ¹² , disinfected at the outlet from water treatment plants, disinfected water for bathing ¹⁰ , mineral water ⁶
311 ¹	Detection and enumeration of sulfite-reducing anaerobes (clostridia) by membrane filtration method	SOP - 312 (ČSN EN 26461-2)	Bottled water ¹² , waste, ground water, water for bathing ¹⁰ , mineral water ⁶
312 ¹	Detection and enumeration of <i>Legionella</i> spp. by membrane filtration method	SOP – 313 (ČSN EN ISO 11731)	Drinking, hot, bathing water ¹⁰

**The Appendix is an integral part of
Certificate of Accreditation No. 715/2020 of 26/11/2020**

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

BIOANALYTIKA CZ, s.r.o.
Laboratory Chrudim
Píšťovy 820, Chrudim III, 537 01 Chrudim

Ordinal number 1, 3	Test procedure/ method name	Test procedure/ method identification ²	Tested object
313 ¹	Detection and enumeration of organotrophic bacteria by direct inoculation in a nutrient agar culture medium	SOP - 314 (ČSN 75 7841, ČSN 75 7842)	Drinking, surface and ground water
314 ¹	Enumeration of culturable microorganisms by direct inoculation in a nutrient agar culture medium	SOP - 315 (ČSN EN ISO 6222)	Drinking, surface and ground water
315 ¹	Determination of abioseston by microscopic method	SOP - 316 (ČSN 75 7713)	Drinking, surface and ground water
316 ¹	Determination of bioseston by microscopic method	SOP - 317 (ČSN 75 7712)	Drinking, bottled water ¹² , surface and ground water
317-349	Reserved		
350 ¹	Determination of the acute lethal toxicity of substances to a freshwater fish <i>Poecilia reticulata</i>	SOP - 350 (ČSN EN ISO 7346 - 2)	Soils ¹¹ , waste ⁹ , waste water, aqueous extract ⁵
351 ¹	Determination of the inhibition of the mobility of <i>Daphnia magna</i>	SOP - 351 (ČSN EN ISO 6341)	Soil ¹¹ , waste ⁹ , waste water, aqueous extract ⁵
352 ¹	Fresh water green algal growth inhibition test with <i>Desmodesmus subspicatus</i>	SOP - 352 (ČSN EN ISO 8692)	Soil ¹¹ , waste ⁹ , waste water, aqueous extract ⁵
353 ¹	<i>Sinapis alba</i> root growth inhibition test	SOP - 353 (Guideline No. 8, MoE CR Bulletin, XVII, No. 4/2007)	Soil ¹¹ , waste ⁹ , waste water, aqueous extract ⁵

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

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

³ Superscript at the test ordinal number identifies the working site carrying out the test.

⁴ drinking water including water for the production of drinking water and bottled water, surface water, ground water, waste water

⁵ aqueous extract of waste according to Regulation No. 294/2005 Coll. on the conditions of waste deposition onto landfills

⁶ mineral water - a source of water for filling swimming pools for medical purposes according to Regulation No. 423/2001 Coll.

⁷ laboratory determination of analytes in the sample is subcontracted to an accredited testing laboratory

⁸ sludge - definition according to Act No. 185/2001 Coll., on waste, sludge, treated sludge, water treatment plant sludge, control of efficiency of water treatment plant sludge sanitation

⁹ waste - definition according to Act No. 185/2001 Coll., on waste, waste processed according to Regulation No. 294/2005 Coll., Regulation No. 94/2016 Coll., Regulation No. 257/2009 Coll.

¹⁰ bathing water – artificial water reservoirs (swimming and bathing pools, pools for sucklings and toddlers, sauna cooling pools) and natural bathing places and other surface water for bathing

**The Appendix is an integral part of
Certificate of Accreditation No. 715/2020 of 26/11/2020**

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

BIOANALYTIKA CZ, s.r.o.

Laboratory Chrudim

Píšťovy 820, Chrudim III, 537 01 Chrudim

- ¹¹ soil - definition according to ČSN EN ISO 14688-1, soil processed according to Regulation No. 294/2005 Coll., Regulation No. 94/2016 Coll., Regulation No. 257/2009 Coll.
- ¹² bottled water according to Regulation 275/2004 Coll.
- ¹³ Ag, Ca, Co, Cu, Mn, Fe, Ni, Mg, Cr, Zn, Cd, Pb
- ¹⁴ As, Sb, Ba, Be, Sn, Cd, Pb, Mo, Se, Tl, V
- ¹⁵ phenol, 2-chlorophenol, 3-chlorophenol, 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-trichlorophenol, 2,3,5-trichlorophenol, 3,4,5-trichlorophenol, 2,3,4,5-tetrachlorophenol, 2,3,5,6-tetrachlorophenol, 2,3,4,6-tetrachlorophenol, pentachlorophenol, 2-methylphenol, 3-methylphenol, 4-methylphenol, 2,3-dimethylphenol
- ¹⁶ benzene, toluene, ethylbenzene, xylenes, styrene, chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,1,2-trichloroethene (TCE), 1,1,2,2-tetrachloroethene (PCE), 1,1-dichloroethene, 1,2-cis-dichloroethene, 1,2-trans-dichloroethene, vinylchloride, 1,1-dichloroethane, 1,2-dichloroethane, dichloromethane, trichloromethane, tetrachloromethane, bromodichloromethane, dibromochloromethane, bromoform, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, 2-methoxy-2-methylpropane (MTBE), naphthalene
- ¹⁷ benzene, toluene, ethylbenzene, xylenes, styrene, chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,1,2-trichloroethene (TCE), 1,1,2,2-tetrachloroethene (PCE), 1,1-dichloroethene, 1,2-cis-dichloroethene, 1,2-trans-dichloroethene, vinylchloride, 1,1-dichloroethane, 1,2-dichloroethane, dichloromethane, trichloromethane, tetrachloromethane, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, 2-methoxy-2-methylpropane (MTBE), naphthalene
- ¹⁸ acenaphthene, acenaphthylene, anthracene, benzo/a/anthracene, benzo/b/fluoranthene, benzo/k/fluoranthene, benzo/ghi/perylene, benzo/a/pyrene, dibenzo/a,h/anthracene, phenanthrene, fluorene, fluoranthene, chrysene, indeno/1,2,3-cd/pyrene, naphthalene, pyrene
- ¹⁹ PCB-28, PCB-52, PCB-101, PCB-118, PCB-138, PCB-153, PCB-180
- ²⁰ 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, 1,2,5,6-tetrachlorobenzene, 1,2,4,6-tetrachlorobenzene, 1,2,3,4-tetrachlorobenzene, pentachlorobenzene, hexachlorobenzene, alpha-HCH, beta-HCH, gamma-HCH, delta-HCH, heptachlor, heptachlor epoxide, alachlor, aldrin, dieldrin, endrin, isodrin, trifluralin, p,p'-DDE, p,p'-DDD, p,p'-DDT, o,p - DDE, o,p - DDD, o,p - DDT, methoxychlor
- ²¹ hexachlorobenzene, alpha-HCH, beta-HCH, gamma-HCH, delta-HCH, heptachlor, heptachlor epoxide, alachlor, aldrin, dieldrin, endrin, isodrin, trifluralin, p,p'-DDE, p,p'-DDD, p,p'-DDT, o,p - DDE, o,p - DDD, o,p - DDT, methoxychlor
- ²² acenaphthene, anthracene, benzo/a/anthracene, benzo/b/fluoranthene, benzo/k/fluoranthene, benzo/ghi/perylene, benzo/a/pyrene, dibenzo/a,h/anthracene, phenanthrene, fluorene, fluoranthene, chrysene, indeno/1,2,3-cd/pyrene, naphthalene, pyrene
- ²³ acenaphthene, acenaphthylene, anthracene, benzo/a/anthracene, benzo/b/fluoranthene, benzo/k/fluoranthene, benzo/ghi/perylene, benzo/a/pyrene, dibenzo/a,h/anthracene, phenanthrene, fluorene, fluoranthene, chrysene, indeno/1,2,3-cd/pyrene, naphthalene, pyrene
- ²⁴ atrazine, atrazine-desethyl, hexazinon, simazine, cyanazine, methabenzthiazuron, chlorotoluron, diuron, isoproturon, metazachlor, metolachlor, sebutylazine, propazine, terbutylazine, prometryn
- ²⁵ atrazine, simazine, methabenzthiazuron, chlorotoluron, propazine, prometryn
- ²⁶ phenol, 2-chlorophenol, 3-chlorophenol, 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-trichlorophenol, 2,3,5-trichlorophenol, 3,4,5-trichlorophenol, 2,3,4,5-tetrachlorophenol, 2,3,5,6-tetrachlorophenol, 2,3,4,6-tetrachlorophenol, pentachlorophenol, 2-methylphenol, 3-methylphenol, 4-methylphenol, 2,3-dimethylphenol, 2-naphthol
- ²⁷ anilín, N-ethylanilín

**The Appendix is an integral part of
Certificate of Accreditation No. 715/2020 of 26/11/2020**

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

BIOANALYTIKA CZ, s.r.o.
Laboratory Chrudim
Píšťovy 820, Chrudim III, 537 01 Chrudim

- ²⁸ bis-(2-ethylhexyl)phthalate, butylbenzylphthalate, dimethylphthalate, diethylphthalate, di-n-butylphthalate, di-n-octylphthalate
- ²⁹ Ag, Al, As, Ba, Be, Bi, B, Cd, Ca, Cr, Co, Cu, K, Li, Fe, Mg, Mn, Mo, Na, Ni, P, Pb, Rb, Sb, Se, Sn, Sr, Ti, V, W, Zn
- ³⁰ Benzene, toluene, ethylbenzene, xylenes, styrene, chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,1,2-trichloroethene (TCE), 1,1,2,2-tetrachloroethene (PCE), 1,1-dichloroethene, 1,2-cis-dichloroethene, 1,1-dichloroethane, 1,2-dichloroethane, dichloromethane, trichloromethane, tetrachloromethane, bromodichloromethane, dibromochloromethane, bromoform, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, 2-methoxy-2-methylpropane (MTBE), tert. butyl ethylether (ETBE), naphthalene, acetone, 2-butanol, 2-propanol, ethylacetate, butylacetate, propylbenzene, 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, methylethylketon
- ³¹ NH₃, C₆H₆, Cl₂, HCl, HF, HCHO, HNO₃, NO₂, SO₂, CO, CO₂, NO_x, O₃, H₂S, PCE, TCE
- ³² Formaldehyde, acetaldehyde, acrolein, acetone, propionaldehyde, crotonaldehyde, methacrolein, methylethylketone, butyraldehyde, benzaldehyde, valeraldehyde, m-tolulaldehyde, hexaldehyde

Explanations:

GC/FID	Gas Chromatography with Flame-Ionization Detector
GC/MS	Gas Chromatography with Mass Detector
HPLC	High-Performance Liquid Chromatography
EPA	US Environmental Protection Agency
NDIR	Non-Dispersive Infrared Analyser
AAS/FLAME	Atomic absorption spectroscopy/flame
AAS/ETA	Atomic absorption spectroscopy/Electrothermal Atomization
ICP/OES	Inductively Coupled Plasma Optical Emission Spectrometry
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
TOC	Total Organic Carbon
TIC	Total Inorganic Carbon
DOC	Dissolved Organic Carbon
AHEM	Acta Hygienica, Epidemiologica et Microbiologica

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
<i>41 - 46, 58, 63 - 65, 68 - 71, 75 - 78, 82, 85, 90 - 94, 98 - 100, 213, 223, 224</i>

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed according to MPA 00-09-13. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

**The Appendix is an integral part of
Certificate of Accreditation No. 715/2020 of 26/11/2020**

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

BIOANALYTIKA CZ, s.r.o.
Laboratory Chrudim
Píšťovy 820, Chrudim III, 537 01 Chrudim

Sampling:

Ordinal number ²	Sampling procedure name	Sampling procedure identification ¹	Sampled object
1 ¹	Drinking water sampling	SOP - V-01 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-5, ČSN EN ISO 5667-14, ČSN EN ISO 19458, Reg. 252/2004 Coll.)	Drinking water, bottled water
2 ¹	Waste water sampling - manual and by automatic sampler	SOP - V-02 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-10, ČSN EN ISO 5667-14)	Industrial and sewage waste water
3 ¹	Manual sampling of sludge ⁸ from WWTP	SOP - V-03 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-13, ČSN EN ISO 5667-15)	Dewatered sludge ⁸ from WWTP
4 ¹	Sampling of Soils ¹¹ and solid waste ⁹	SOP - V-04 (ČSN ISO 10381-6, TNI CEN/TR 15310-1, TNI CEN/TR 15310-2, TNI CEN/TR 15310-3, TNI CEN/TR 15310-4, TNI CEN/TR 15310-5)	Solid waste ⁹
5 ¹	Sampling of sediments	SOP - V-05 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3 ČSN ISO 5667-12, ČSN EN ISO 5667-14 ČSN EN ISO 5667-15)	Sediments
6 ¹	Ground water sampling - manual and with pressure pump	SOP - V-06 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-11, ČSN EN ISO 5667-14)	Ground water
7 ¹	Manual sampling of surface water	SOP - V-07 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-6, ČSN ISO 5667-4, ČSN EN ISO 5667-14)	Surface water

**The Appendix is an integral part of
Certificate of Accreditation No. 715/2020 of 26/11/2020**

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

BIOANALYTIKA CZ, s.r.o.
Laboratory Chrudim
Píšťovy 820, Chrudim III, 537 01 Chrudim

Ordinal number ²	Sampling procedure name	Sampling procedure identification ¹	Sampled object
8 ¹	Bathing water10 sampling	SOP - V-08 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN EN ISO 5667-14, ČSN EN ISO 19458, Reg. MoA CR No. 238/2011 Coll.)	Artificial bathing places
9 ¹	Sampling of water from natural bathing places	SOP - V-09 (ČSN EN ISO 19458, ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-4, ČSN ISO 5667-6, ČSN EN ISO 5667-14, ČSN 75 7712, ČSN 75 7717, TNV 75 7340, Reg. MoA CR No. 238/2011 Coll.)	Natural bathing places
10 -19	Reserved		
20 ²	Gas and vapour sampling by absorption into liquid	SOP - V-20 (ČSN 83 4752-1, ČSN 83 4752-2 ČSN EN 1911, ČSN 83 4751-1, ČSN 83 4751-2, ČSN 83 4728-1, ČSN 83 4728-2, Sanitary Regulation No. 52, ČSN 83 4712-1, ČSN 83 4712-2, ČSN EN 14791, ČSN 83 4711-1, ČSN 83 4711-2, Gov. Reg. No. 361/2007 Coll.)	Emissions
21 ²	Sampling of gases and vapours by sorption on a solid sorbent	SOP - V-21 (ČSN P CEN/TS 13649)	Emissions
22 ²	Sampling of solid pollutants (isokinetic sampling with automatic isokinetic control)	SOP - V-22 (ČSN EN 13284-1, ČSN ISO 9096:1998)	Emissions
23 ²	Sampling of solid pollutants (isokinetic sampling with manual isokinetic control)	SOP - V-22 (ČSN EN 13284-1, ČSN ISO 9096:1998)	Emissions

**The Appendix is an integral part of
Certificate of Accreditation No. 715/2020 of 26/11/2020**

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

BIOANALYTIKA CZ, s.r.o.
Laboratory Chrudim
Píšťovy 820, Chrudim III, 537 01 Chrudim

Ordinal number ²	Sampling procedure name	Sampling procedure identification ¹	Sampled object
24 ²	Sampling for the determination of heavy metals (As, Cd, Be, Cr, Co, Ni, Tl, Se, Te, Sb, Sn, Mn, Cu, Pb, V, Zn, Al, Hg) - isokinetic sampling with automatic manual isokinetic control and absorption into a liquid	SOP - V-24 (ČSN EN 13284-1, ČSN ISO 9096:1998, ČSN EN 14385, ČSN EN 13211, EPA Method 29)	Emissions
25 ²	Sampling for the determination of persistent organic compounds POPs - isokinetic sampling with automatic, manual isokinetic control, filtration-condensation method	SOP - V-25 (ČSN EN 1948-1, ČSN EN 1948-4+A1, ISO 11338-1, ISO 11338-2)	Emissions
26 ²	Sampling of air for the determination of gases and vapours	SOP - V-26 (ČSN EN 482+A1, ČSN EN 689, ČSN EN ISO 16000-1, ČSN EN ISO 16000-2, ČSN EN ISO 16000-5, ČSN EN ISO 16000-11, ČSN EN ISO 16000-15, ČSN EN ISO 16000-26, ČSN EN ISO16017, Gov. Reg. No. 361/2007 Coll., Regulation No. 6/2003 Coll.)	Working, indoor and outdoor air
27 ²	Sampling of air for the determination of dust content and aerosols	SOP - V-27 (ČSN EN 481, ČSN EN 482+A1, ČSN EN 689, ČSN EN ISO 16000-1, ČSN EN ISO 16000-7, Gov. Reg. No. 361/2007 Coll., Regulation No. 6/2003 Coll.)	Working, indoor and outdoor air
28 ²	Air sampling into tedlar bags	SOP - V-28 (ČSN EN 482+A1, ČSN EN 689, Regulation No. 6/2003 Coll.)	Emissions, working, indoor and outdoor air
29 ¹	Soil air sampling	SOP-V-29 (ME Guideline – Sampling in Rehabilitation Geology, chap. III.10 Sampling of air and air mass, 2006)	Soil air

**The Appendix is an integral part of
Certificate of Accreditation No. 715/2020 of 26/11/2020**

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

BIOANALYTIKA CZ, s.r.o.
Laboratory Chrudim
Píšťovy 820, Chrudim III, 537 01 Chrudim

Ordinal number ²	Sampling procedure name	Sampling procedure identification ¹	Sampled object
30 ²	Air sampling for the determination of the numerical concentration of mineral fibers, including asbestos	SOP - V-30 (ČSN EN ISO 16000-7, Gov. Reg. No. 361/2007 Coll., Regulation No. 6/2003 Coll.)	Working, indoor and outdoor air

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 working site carrying out the sampling.