The Appendix is an integral part of
Certificate of Accreditation No: 525/2023 of 06/10/2023

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

ENVIFORM a.s.
CAB number 1371, LABORATORIES CENTRE
Závodní 814, Staré Město, 739 61 Třinec

Testing laboratory locations:

1. **Sampling Laboratory** Závodní 814, Staré Město, 739 61 Třinec
2. **Emission Measurement Laboratory** Závodní 814, Staré Město, 739 61 Třinec
3. **Working and Living Environment Laboratory** Závodní 814, Staré Město, 739 61 Třinec
4. **Quantometric Laboratory** Průmyslová 1041, Staré Město, 739 61 Třinec

5.A **Chemical and Physical Analysis Laboratory** Závodní 814, Staré Město, 739 61 Třinec

5.B **Chemical and Physical Analysis Laboratory** Průmyslová 1041, Staré Město, 739 61 Třinec

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 at the laboratory on the laboratory website www.enviform.cz/certifikaty-a-akreditace in the form "List of activities within the flexible scope of accreditation".
The laboratory is qualified to carry out independent sampling.
Detailed information on activities within the scope of accreditation (subject of testing, source literature, subject of sampling) 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*[1]	Determination of temperature	SPL – Lv – 01 (ČSN 75 7342)	Drinking, surface, ground, waste and bathing water and drinking water	-
2*[1]	Determination of total and free chlorine (spectrophotometric method) by HACH set and calculation of bound chlorine	SPL – Lv – 02 (HACH manual)	Drinking water and bathing water	-
3*[1]	Determination of electrical conductivity	SPL – Lv – 03 (ČSN EN 27888)	Drinking, surface, ground and waste water	-
4*[1]	Determination of pH by potentiometry	SPL – Lv – 04 (ČSN ISO 10523)	Drinking, surface, ground, waste and bathing water	-
5*[1]	Determination of ozone by spectrophotometry with HACH set	SPL – Lv – 05 (HACH manual)	Drinking, bathing, ground and surface water	-
6[2]	Determination of the mass concentration of TZL (solid pollutants) by gravimetric method	SPL-Le-01 (ČSN EN 13284-1)	Emissions	-

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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*[2]	Determination of the velocity and volume flow rate of gas streams in ducts	SPL-Le-02 (ČSN ISO 10780; ČSN EN ISO 16911-1)	Emissions	-
8*[2]	Determination of water vapour in ducts by condensation method and capacitance detector	SPL-Le-05 (ČSN EN 14790)	Emissions	-
9*[2]	Determination of mass concentration of sulphur dioxide, carbon monoxide and nitrogen oxides by automatic analyser – NDIR method	SPL-Le-06 (ČSN ISO 7935; ČSN EN 15058; ČSN ISO 10849)	Emissions	-
10[2]	Determination of the mass concentration of gases and vapours by calculation from measured values (HCl, HF, SO_2)	SPL-Le-07 (ČSN EN 1911; ČSN P CEN/TS 17340; ČSN EN 14791)	Emissions	-
11*[2]	Determination of mass concentration of total organic compounds expressed as TOC by automatic analyser - flame ionization detection method	SPL-Le-09 (ČSN EN 12619)	Emissions	-
12*[2]	Determination of concentration of oxygen by automatic analyser - paramagnetic method	SPL-Le-10 (ČSN EN 14789)	Emissions	-
13*[2]	Determination of concentration of carbon dioxide by automatic analyser - NDIR method	SPL-Le-10A (ISO 12039)	Emissions	-
14[2]	Determination of the mass concentration of persistent organic compounds by calculation from measured values (PCDD/PCDF, PCB, PAH)	SPL-Le-11 (ČSN EN 1948-1; ČSN EN 1948-4+A1)	Emissions	-
15[2]	Determination of the mass concentration of heavy metals by calculation from measured values (Sb, As, Be, Sn, Cr, Co, Cd, Mn, Cu, Ni, Pb, Se, Te, Tl, V, Zn, Hg)	SPL-Le-12 (ČSN EN 14385; ČSN EN 13211; US EPA 29)	Emissions	-
16*[2]	Determination of the mass concentration of nitrogen oxides – chemiluminescence method	SPL-Le-08 (ČSN EN 14792)	Emissions	-
17*[2]	Quality assurance of automated measuring systems	SPL-Le-14 (ČSN EN 14181, cl. 6; QAL2, cl. 8 AST)	Emissions	-

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Ordinal number [1]	Test procedure/method name	Test procedure/method identification [2]	Subject of the test	Degrees of freedom[3]
18[3]	Determination of total dust concentration	SPL-Lh-01 (Gov. Reg. 361/2007 Coll., except Annex No. 3, Part D, p. b; ČSN EN 481; ČSN EN 482; ČSN EN 689+AC)	Working environment	-
19[3]	Determination of concentration of respirable fraction of airborne dust	SPL-Lh-02 (Gov. Reg. 361/2007 Coll., except Annex No. 3, Part D, p. a; ČSN EN 481; ČSN EN 482; ČSN EN 689+AC)	Working environment	-
20*[3]	Measurement of noise in a working environment	SPL-Lh-03 (ČSN EN ISO 9612; MoH Bulletin, Part 4, 2013)	Working environment	-
21*[3]	Measurement of noise in a non-working environment	SPL-Lh-04 (ČSN ISO 1996-1; ČSN ISO 1996-2; MoH Bulletin, Part 11, 2017)	Non-working environment	-
22*[3]	Measurement of human exposure to hand-transmitted vibration	SPL-Lh-05 (ČSN EN ISO 5349-1; ČSN EN ISO 5349-2; MoH Bulletin, Part 4, 2013)	Working environment	-
23*[3]	Measurement of total vibration	SPL-Lh-06 (ČSN ISO 2631-1; ČSN ISO 2631-2; MoH Bulletin, Part 4, 2013)	Working environment	-
24*[3]	Measurement of daylight	SPL-Lh-07 (ČSN 36 0011-1; ČSN 36 0011-2; ČSN 73 0580-1; ČSN 36 0020)	Workplace and non-workplace environment	-
25*[3]	Measurement of artificial lighting	SPL-Lh-08 (ČSN 36 0011-1; ČSN 36 0011-3; ČSN 36 0011-4; ČSN EN 12464-1; ČSN EN 12464-2)	Workplace and non-workplace environment	-
26*[3]	Measurement of microclimatic parameters of working and building interior environment	SPL-Lh-09 (ČSN EN ISO 7726; ČSN EN ISO 7730; MoH Bulletin, Part 8, 2013)	Workplace and non-workplace environment	-

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Ordinal number [1]	Test procedure/method name	Test procedure/method identification [2]	Subject of the test	Degrees of freedom[3]
27*[3]	Measurement of sound power of noise sources by sound pressure measurement	SPL-Lh-10 (ČSN EN ISO 3744; ČSN EN ISO 3746)	Noise sources – machines and equipment	-
28*[3]	Measurement of sound pressure emission at work stations and other specified locations	SPL-Lh-11 (ČSN EN ISO 11201; ČSN EN ISO 11202; ČSN EN ISO 11203; ČSN EN ISO 11204)	Noise sources – machines and equipment	-
29[4]	Determination of specific activity of ^{60}Co by gamma ray spectrometry	SPL-Lq-01 (IAEA-TECDOC-855; SKF11H 1551822, Issue 4; Regulation No. 307/2002 Coll., Annex No. 1)	Steel, cast iron	-
30[4]	Determination of oxygen and hydrogen content by method of IR absorption after melting in inert gas	SPL-Lq-02 (ASTM E 1019; ČSN EN 10276-2; ČSN 42 0540; SKF 11H 1551218, Issue 5; LECO 209-141-003 9/07 REV1 Application report; ČSN 42 0529)	Steel, cast iron	A, B, D
31[4]	Determination of nitrogen content – thermal conductometric method after melting in inert gas	SPL-Lq-03 (ASTM E 1019; ČSN EN ISO 15351; ČSN EN ISO 10720; LECO 209-141-003 9/07 REV1 Application report)	Steel, cast iron	A, B, D
32[4]	Determination of total carbon and sulphur content by method of infrared absorption after combustion in induction furnace	SPL-Lq-04 (ASTM E 1019; LECO 209-141-001 8/07 REV2 Application report; ČSN EN ISO 15349-2; ČSN EN ISO 15350; ČSN ISO 9556; ČSN ISO 4935; ČSN 42 0541)	Steel, cast iron, iron, Ferroalloys	A, B, D
33[4]	Determination of content of elements (C, Mn, Si, P, S, Cu, Cr, Ni, Al, Al_metallic form, Mo, W, V, Ti, Co, As, Sn, B, B_ metallic form, Ca, Nb, Pb, Sb, Zr, Zn, Bi, Ta, Ce, Mg, N) by optical emission vacuum spectrometry	SPL-Lq-05 (ASTM E 415; ASTM E 1086; ASTM E 1999; Thermo Fisher Scientific and OBLF user manual)	Steel, cast iron, iron	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]
34[4]	Determination of content of elements (C, Mn, Si, P, S, Al, Cu, Cr, Ni, Mo, W, V, Ti, Co, As, Sn, Nb, Pb, Sb, Zr, Zn, Bi, Fe) by X-ray fluorescent spectrometry	SPL-Lq-06-3A (ASTM E 572; ČSN EN 15063-1; ČSN EN 15063-2; HŽ 42 0594; Thermo Fisher Scientific user manual)	Metallic materials	A, B, D
35[4]	Determination of the content of elements (Fe, Si, Al, Mn, Ca, P, S, Ti, Na, K, Cr, Zn, F) by X-ray fluorescence spectrometry and calculation of their oxides, carbonates and fluorides (Fe_2O_3, SiO_2, Al_2O_3, MnO, CaO, $CaCO_3$, MgO, $MgCO_3$, P_2O_5, TiO_2, Na_2O, K_2O, Cr_2O_3, CaF_2) from measured values	SPL-Lq-06-3B (ISO 9516-1; HŽ 42 0593; ČSN EN ISO 12677; HŽ 72 2019; ASTM C 1271; Thermo Fisher Scientific user manual)	Bulk materials	A, B, D
36[5A]	Determination of water content by gravimetry	SPL-Lk-11 (ČSN 44 1377; ČSN ISO 579; ČSN ISO 687; ČSN EN ISO 18134-1; ČSN EN ISO 18134-2; ČSN EN ISO 18134-3; ČSN P CEN/TS 15414-1; ČSN P CEN/TS 15414-2; ČSN EN ISO 21660-3; ČSN ISO 3087; ČSN ISO 7764:1993; ČSN EN 459-2; ČSN EN 14346:2007, method A)	Solid fuels, bulk materials	-
37[5A]	Determination of ash content by gravimetry	SPL-Lk-12 (ČSN ISO 1171; ČSN EN ISO 18122; ČSN EN ISO 21656)	Solid fuels	-
38[5A]	Determination of the content of volatile combustible matter by gravimetry	SPL-Lk-13 (ČSN ISO 562; ČSN ISO 5071; ČSN EN ISO 18123; ČSN EN ISO 22167)	Solid fuels	-

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Ordinal number [1]	Test procedure/method name	Test procedure/method identification [2]	Subject of the test	Degrees of freedom[3]
39[5A]	Determination of total sulphur and carbon content by IR detection	SPL-Lk-14 (ČSN ISO 19579; ČSN EN ISO 16948; ČSN EN ISO 16994; ČSN EN ISO 21663; ČSN ISO 29541; ČSN 72 2030-10:1992; ČSN 72 2041-19:1992)	Solid fuels, bulk materials	-
40[5A]	Determination of gross calorific value (Q_s) by the bomb calorimetric method, calculation of net calorific value (Q_i) and emission factor from measured values	SPL-Lk-15 (ČSN ISO 1928; ČSN EN ISO 18125; ČSN EN ISO 21654)	Solid fuels	-
41[5A]	Determination of basic elements (C, H, N, S) by TCD detection	SPL-Lk-16 (ČSN ISO 29541; ČSN EN ISO 16948; ČSN EN ISO 16994; ČSN EN ISO 21663; ELEMENTAR user manual)	Solid fuels	-
42[5A]	Determination of CRI and CSR index by gravimetry	SPL-Lk-17 (ISO 18894; ČSN ISO 18894)	Coke	-
43[5A]	Determination of the composition of heating gases (CH_4, H_2, N_2, O_2, CO_2, CO and hydrocarbons C_2-C_6) by gas chromatography (TCD, FID), calculation of their gross calorific value and net calorific value	SPL-Lk-18 (ČSN EN ISO 6974; ČSN EN ISO 6976)	Heating gases	-
44[5A]	Determination of chemical composition of benzole by gas chromatography (FID)	SPL-Lk-19 (ČSN 66 2108:1984)	Raw coke oven benzole	-
45[5A]	Determination of hydrocarbons C_{10} - C_{40} by gas chromatography after solvent extraction	SPL-Lk-20-3A (ČSN EN ISO 9377-2)	Surface, waste and ground water	-
46[5A]	Determination of Hg by single-purpose atomic absorption spectrometer	SPL-Lk-23-3A, 3C (ČSN 75 7440)	Surface, waste and ground water, bulk materials	-
47[5A]	Determination of the content of elements (Al, As, Ba, Pb, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Ni, V, Zn) by inductively coupled plasma optical emission spectrometry	SPL-Lk-21-3A (ČSN EN ISO 11885)	Surface, waste and ground water	-

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Ordinal number [1]	Test procedure/method name	Test procedure/method identification [2]	Subject of the test	Degrees of freedom[3]
48[5A]	Determination of metal content (Na, K) by flame atomic spectrometry and calculation of their oxides from measured values	SPL-Lk-22-3A (ČSN ISO 9964-1; ČSN ISO 9964-2)	Surface, waste and ground water	-
49[5A]	Determination of metal content (Al, Co, Cr, Cu, Mn, Mg, Mo, Ni, V, Zn) by inductively coupled plasma optical emission spectrometry	SPL-Lk-21-3B (ČSN EN 14242)	Steel, cast iron, iron, aluminium and its alloys	-
50[5A]	Determination of metal content (Cd and Pb) by atomic spectrometry with graphite furnace	SPL-Lk-22-3C (ČSN EN ISO 15 586)	Bulk materials	-
51[5A]	Determination of metal content (Al, As, Ba, Ca, Cd, Cr, Co, Cu, Fe, Mg, Mn, Ni, P, Pb, Sb, Se, Sn, Ti, V, Zn) by optical emission spectrometry with inductively coupled plasma and calculation of their oxides from measured values	SPL-Lk-21-3C (ČSN EN ISO 10058-3; ČSN EN ISO 21587-3; ČSN EN ISO 21079-3; ČSN EN ISO 26845; ČSN EN ISO 20565-3)	Bulk materials	-
52[5A]	Determination of metal content (Pb, Na, K and Zn) by flame atomic spectrometry and calculation of their oxides from measured values	SPL-Lk-22-3C (ČSN 72 2030-11:1992; ČSN 72 2030-12:1992; ČSN 72 2041-23:1992; ČSN 72 2041-24:1992; ČSN ISO 7969; ČSN EN ISO 10058-3; ČSN 72 0119; ČSN 72 0120; ČSN EN ISO 26845; ČSN EN ISO 20565-3; ČSN EN ISO 21587-3; ČSN EN ISO 21079-3)	Bulk materials	-
53[5A]	Determination of total phosphorus (P_c) by spectrophotometry and phosphate (PO_4^{3-}) by calculation from measured values of total phosphorus	SPL-Lk-29 (ČSN EN ISO 6878, chap. 7)	Surface, waste and ground water	-
54[5A]	Determination of N-NH_4^+ by spectrophotometry, ammonium ions by calculation and total inorganic nitrogen by calculation from measured values	SPL-Lk-30 (ČSN ISO 7150-1)	Surface, waste and ground water	-
55[5A]	Determination of dissolved solids (RL105) and dissolved inorganic salts (RAS) by gravimetry	SPL-Lk-31-3A (ČSN 75 7346; ČSN 75 7347)	Surface, waste and ground water	-

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Ordinal number [1]	Test procedure/method name	Test procedure/method identification [2]	Subject of the test	Degrees of freedom[3]
56[5A]	Determination of suspended solids by gravimetry	SPL-Lk-31-3B (ČSN EN 872)	Surface, waste and ground water	-
57[5A]	Determination of COD_{Cr} by spectrophotometry - HACH analytical commercial set	SPL-Lk-32 (ČSN ISO 15705)	Surface, waste and ground water	-
58[5A]	Determination of univalent phenols by spectrophotometry	SPL-Lk-33 (ČSN ISO 6439, method A)	Surface, waste and ground water	-
59[5A]	Determination of $N\text{-}NO_2^-$ by molecular absorption spectrophotometric method and nitrite by calculation from measured values	SPL-Lk-34 (ČSN EN 26 777)	Surface, waste and ground water	-
60[5A]	Determination of nitrate by spectrophotometry and $N\text{-}NO_3^-$ by calculation from measured values	SPL-Lk-35 (ČSN ISO 7890-3)	Surface, waste and ground water	-
61[5A]	Determination of chlorides by titration	SPL-Lk-36 (ČSN ISO 9297)	Surface, waste and ground water	-
62[5A]	Determination of total and dissolved iron by spectrophotometry	SPL-Lk-37 (ČSN ISO 6332)	Surface, waste and ground water	-
63[5A]	Determination of sulphate by gravimetry	SPL-Lk-38 (TNV 75 7476)	Surface, waste and ground water	-
64[5A]	Determination of extractives (E) by infrared spectrometry	SPL-Lk-39-3A (ČSN 75 7506)	Surface, waste and ground water	-
65[5A]	Determination of nonpolar extractives (NE) by infrared spectrometry	SPL-Lk-39-3B (ČSN 75 7505:2006)	Surface, waste and ground water	-
66[5A]	Determination of electrical conductivity	SPL-Lk-40 (ČSN EN 27888)	Surface, waste and ground water	-
67[5A]	Determination of pH electrochemically	SPL-Lk-41 (ČSN ISO 10523)	Surface, waste and ground water	-
68[5A]	Determination of anionic surfactants using methylene blue	SPL-Lk-42 (ČSN EN 903)	Surface, waste and ground water	-
69[5A]	Determination of calcium, sum of calcium and magnesium by EDTA titrimetric method and calculation of magnesium	SPL-Lk-44 (ČSN ISO 6058; ČSN ISO 6059)	Drinking, surface, waste and ground water	-
70[5A]	Determination of fluoride, chloride, nitrite, nitrate, phosphate and sulphate by ion chromatography method	SPL-Lk-45 (ČSN EN ISO 10304-1)	Drinking, surface, waste and ground water	-
71[5A]	Determination of Pb and Zn by flame atomic spectrometry	SPL-Lk-22-3B (ČSN ISO 5194; ČSN ISO 4192)	Aluminium and its alloys	-

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Ordinal number [1]	Test procedure/method name	Test procedure/method identification [2]	Subject of the test	Degrees of freedom[3]
72[5B]	Determination of total and metallic iron, Fe^{2+} and Fe^{3+} by classical wet procedures and calculation of iron oxides by calculation from measured values	SPL-Lk-25 (ČSN ISO 2597:1993; ČSN 72 2030-1:1992; ČSN 72 2041-1:1992; ČSN 72 2041-12:1992; ČSN 72 0100; ČSN 72 0101; ČSN 72 0110-3; ČSN 72 0111)	Bulk materials	-
73[5B]	Determination of chloride, fluoride, sulphate content by classical wet procedures	SPL-Lk-26 (ČSN 72 0100; ČSN 72 0101; ČSN 72 0117; ČSN 72 2041-1:1992; ČSN 72 2041-13:1992; ČSN ISO 10523; ČSN EN 1744-1+A1; ČSN ISO 9297; TNV 75 7476)	Bulk materials	-
74[5B]	Determination of SiO_2 content and loss by ignition by gravimetry	SPL-Lk-27 (ČSN 72 2030-1:1992; ČSN 72 2030-2:1992; ČSN 72 2041-1:1992; ČSN 72 2041-2:1992; ČSN 72 2041-3:1992; ČSN 72 0100; ČSN 72 0101; ČSN 72 0105-1; ČSN 72 0105-2; ČSN EN ISO 10058-1; ČSN EN 459-2; ČSN EN ISO 20565-1; ČSN EN ISO 21587-1; ČSN 72 1216; ČSN 72 0103; ČSN 44 1855; ČSN ISO 797)	Bulk materials	-
75[5B]	Determination of the content of Al, Ca, Mg, Cr, P by classical wet procedures and calculation of their oxides from measured values	SPL-Lk-28 (ČSN ISO 6830; ČSN 44 1805; ČSN 72 2041-1:1992; ČSN 72 0100; ČSN 72 0101; ČSN 72 0109-1; ČSN 72 0113-1;	Bulk 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]
		ČSN 72 0113-2; ČSN 72 0114-1; ČSN 72 0114-2; ČSN EN ISO 10058-2; ČSN EN 459-2; ČSN EN ISO 20565-2; ČSN EN ISO 21587-2; ČSN 72 1216; ČSN 72 2030-1:1992; ČSN 72 2030-3:1992; ČSN 72 2030-5:1992; ČSN 72 2030-6:1992)		

[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 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 (subject of testing)
1, 3, 4, 45, 46, 47, 48, 53 - 70	waste water – waste water, industrial water, cooling water, circuit water
10, 14, 15	laboratory determination of an analyte in the sample is subcontracted to an accredited laboratory.
26	measured parameters: ta [°C] – air temperature, tg [°C] – resulting temperature of spherical thermometer, rh [%] – relative air humidity, va [$m.s^{-1}$] – air velocity
32	ferroalloys - ferrosilicon, ferromanganese, ferrosilicon manganese, ferro sulphur, ferrochromium, ferroboron, ferrotitanium, ferrotungsten, ferrovanadium, ferromolybdenum, ferrosiliconzirconium, ferrosiliconcalcium
34	metallic materials – materials with iron (e.g. steel, cast iron, iron) or copper matrix (e.g. bronze, copper)
35	bulk materials – charge materials with iron matrix (containing 5 – 70 % of iron – e.g. agglomerates, iron ores, sinter ores, iron pellets, iron concentrates, ore mixtures, ferroalloys), refractory materials (e.g. bauxite, clay, shale, fire clay, kaolin, magnesite), slag-forming materials (e.g. limestone, dolomite), slag and materials with nonferrous matrix similar to slag (e.g. blast-furnace slag, steel furnace slag, slag aggregates)
36.37, 38, 39, 40, 41, 46, 50, 51, 52	solid fuels – solid fuels (solid carbon substances releasing a lot of heat during combustion - e.g. anthracite, black coal, brown coal, lignite coal, turf, wood), coke, solid biofuels and solid alternate fuels

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Ordinal test number	Detailed information on activities within the scope of accreditation (subject of testing)
	bulk materials for Tests No. 1, 4, 16 and 17 – charge materials with iron matrix (containing 30 – 70 % of iron – e.g. iron ores, agglomerated ores, iron pellets, iron concentrates, iron, ore mixtures, agglomerates, metallurgical waste with iron matrix (e.g. iron dust, blast-furnace dust, sludge, scale), slag and materials with non-ferrous matrix similar to slag (e.g. blast-furnace slag, steel-furnace slag, slag aggregates), refractory material (e.g. pelt, clay, fire clay, silica material, sand, chrome magnesite, gunite materials), slag-forming materials (e.g. lime, limestone, dolomite, magnesite, casting powders)
44	n-hexane, n-heptane, n-octane, n- nonane, benzene, toluene, o-xylenes p- xylenes, m-xylenes, etylbenzene, propylbenzene, cyclohexane, styrene, thiophene, pyridine, indene, naphthalene, 1-2-methylnaphthalenes, biphenyl, acenaphthene
72, 73, 74, 75	bulk materials – charge materials with iron matrix (containing 30 – 70 % of iron – e.g. iron ores, agglomerated ores, iron pellets, iron concentrates, iron, ore mixtures, agglomerates, metallurgical waste with iron matrix (e.g. iron dust, blast-furnace dust, sludge, scale, aluminium and its alloys), slag and materials with non-ferrous matrix similar to slag (e.g. blast-furnace slag, steel-furnace slag, slag aggregates), refractory material (e.g. pelt, clay, fire clay, silica material, sand, chrome magnesite, gunite materials), slag-forming materials (e.g. lime, limestone, dolomite, magnesite, casting powders)

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
20, 22, 23	Guideline for the measurement and evaluation of noise and vibrations at workplace and vibrations in protected indoor areas of buildings.
21	Guideline for the measurement and evaluation of noise in non-working environment.
26	Guideline for the measurement and evaluation of microclimatic parameters of working environment and indoor areas of buildings.

The Appendix is an integral part of
Certificate of Accreditation No: 525/2023 of 06/10/2023

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

ENVIFORM a.s.
CAB number 1371, LABORATORIES CENTRE
Závodní 814, Staré Město, 739 61 Třinec

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification [1]	Subject of sampling
1[1]	Surface water sampling (manual sampling)	SPO-Lv-01 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-4; ČSN EN ISO 5667-6; ČSN EN ISO 5667-14)	Surface water
2[1]	Waste water sampling (manual sampling, automatic sampler)	SPO-Lv-02 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-10; ČSN EN ISO 5667-14)	Waste water
3[1]	Ground water sampling (manual sampling, sampling by a sampling pump)	SPO-Lv-03 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-11; ČSN EN ISO 5667-14)	Ground water
4[1]	Drinking water sampling	SPO-Lv-04 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-5; ČSN EN ISO 5667-14; ČSN EN ISO 19458)	Drinking water, hot water
5[1]	Collection of waste and solid materials	SPO-Lv-05 (ČSN EN 14899; Guideline MŽP 4/2008)	Waste and solid materials
6[1]	Sampling of sludge	SPO-Lv-06 (ČSN EN 14899; ČSN EN ISO 5667-12; ČSN EN ISO 5667-13; ČSN EN ISO 5667-15)	Sludge
7[1]	Bathing water sampling	SPO-Lv-07 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-4; ČSN ISO 5667-6; ČSN ISO EN 5667-14; ČSN EN ISO 19458; ČSN ISO 11731; ČSN 75 7717; MoH Regulation No. 238/2011 Coll.)	Bathing water

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Ordinal number	Sampling procedure name	Sampling procedure identification [1]	Subject of sampling
8[2]	Sampling of persistent organic compounds (PCDD/PCDF, PCB, PAH) by filtration condensation method – automatic or manual isokinetic control	SPO-Le-11 (ČSN EN 1948-1; ČSN EN 1948-4+A1)	Emissions
9[2]	Sampling of heavy metals (Sb, As, Be, Sn, Cd, Cr, Co, Cu, Mn, Ni, Pb, Se, Te, Tl, V, Zn, Hg) – automatic or manual isokinetic control	SPO-Le-12 (ČSN EN 14385; ČSN EN 13211; ČSN EN 13284-1; US EPA 29)	Emissions
10[2]	Sampling of TZL – automatic or manual isokinetic control	SPO-Le-01 (ČSN EN 13284-1)	Emissions
11[2]	Sampling of gases and vapours by absorption in a liquid (HCl, HF, SO_2)	SPO-Le-07 (ČSN EN 1911; ČSN P CEN/TS 17340; ČSN EN 14791)	Emissions
12[3]	Sampling of dust, aerosol and mineral fibres by catching on a filter	SPO-Lh-01 (Gov. Reg. 361/2007 Coll.; ČSN EN 481; ČSN EN 482; ČSN EN 689+AC)	Workplace air
13[3]	Sampling of gases and vapours by catching on a solid sorbent	SPO-Lh-02 (Gov. Reg. 361/2007 Coll.; ČSN EN 482; ČSN EN 689+AC; ČSN EN ISO 16017-1)	Workplace 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 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 test number	Detailed information on activities within the scope of accreditation (subject of sampling)
2	waste water - waste water, industrial water, cooling water, circuit water
5	waste - soil, metallurgical waste (fly ash, blast-furnace slag, iron dust, scale) solid materials - soil, slag, track superstructure and charge materials (agglomerate, ore)

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Explanations and abbreviations:

Lv	Sampling Laboratory
SPL	Standard Laboratory Procedure of the LABORATORIES CENTRE
SPO	Standard Sampling Procedure of the LABORATORIES CENTRE
MoH	Ministry of Health
MoE	Ministry of Environment
Le	Emission Measurement Laboratory
TZL	Solid Pollutants
NDIR	Nondispersive Infrared Spectrometry
TOC	Total Organic Carbon
VOC	Volatile Organic Compounds
PCDD	Polychlorinated Dibenzodioxins
PCDF	Polychlorinated Dibenzofurans
PCB	Polychlorinated Biphenyls
PAH	Polycyclic Aromatic Hydrocarbons
HCl	Inorganic compounds of hydrogen chloride
HF	Inorganic compounds of hydrogen fluoride
SO_2	Sulphur dioxide
Emission	waste gas containing pollutants released in a controlled manner or leaking into atmosphere from air pollution sources.
QAL2	Calibration and verification of automated measuring systems
AST	Annual verification of automated measuring systems
Lh	Working and Living Environment Laboratory
GR	Government Regulation
Lq	Quantometric Laboratory
HŽ	Iron Metallurgy
SKF	Technical instructions for testing of samples of steel for the production of SKF bearings
IAEA	International Atomic Energy Agency
ASTM	American Society for Testing and Materials
Lk	Chemical and Physical Analysis Laboratory
CRI	Coke Reactivity Index
CSR	Coke strength after reaction with CO_2
IR	Infrared Spectrometry
TCD	Thermal Conductivity Detector
FID	Flame Ionization Detector
COD	Chemical Oxygen Demand