

**The Appendix is an integral part of  
Certificate of Accreditation No: 14/2025 of 15/01/2025**

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

**HEVLA s.r.o.**  
CAB number 1798, HEVLA lab  
Dělnická 15, Velebudice, 434 01 Most

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

**Tests:**

Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested subject	Degrees of freedom <sup>3</sup>
1	Determination of pH by potentiometry	SOP 1 (ČSN ISO 10523)	Waste water, aqueous extracts	-
2	Determination of electrical conductivity	SOP 16 (ČSN EN 27888)	Waste water	-
3	Determination of chemical oxygen demand using potassium dichromate (COD <sub>Cr</sub> ) by spectrophotometry by HACH commercial kit	SOP 2 (ČSN ISO 15705; HACH manual)	Waste water	-
4	Determination of chloride by spectrophotometry by MERCK commercial kit	SOP 9 (EPA Method 325.1; APHA Method 4500-Cl-E; MERCK manual)	Waste water, aqueous extracts	-
5	Determination of sulphate by spectrophotometry by MERCK commercial kit	SOP 15 (EPA Method 375.4; APHA Method 4500-SO <sub>4</sub> 2- E; ASTM D516-11; MERCK manual)	Waste water, aqueous extracts	-
6	Determination of total bound nitrogen after high temperature catalytic combustion and organic nitrogen by calculation from measured values	SOP 6 (ČSN EN ISO 20236)	Waste water	-
7	Determination of nitrite by spectrophotometry with MERCK kit and N-NO <sub>2</sub> by calculation from measured values	SOP 17 (ČSN EN 26777; MERCK manual)	Waste water	-

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8	Determination of nitrate by spectrophotometry by MERCK commercial kit and N-NO <sub>3</sub> by calculation from measured values	SOP 18 (DIN 38405-9; MERCK manual)	Waste water	-
9	Determination of ammonium by spectrophotometry by MERCK commercial kit and N-NH <sub>4</sub> , NH <sub>3</sub> by calculation from measured values	SOP 19 (EPA Method 350.1; APHA Method 4500-NH <sub>3</sub> F; ISO 7150-1; DIN 38406-5; MERCK manual)	Waste water	-
10	Determination of total carbon (TC), total organic carbon (TOC), dissolved organic carbon (DOC) by infrared detection	SOP 10 (ČSN EN 1484)	Waste water, aqueous extracts	-
11	Determination of adsorbable organically bound halogens (AOX) by microcoulometric titration	SOP 3 (ČSN EN ISO 9562)	Waste water	-
12	Determination of hydrocarbons C <sub>10</sub> to C <sub>40</sub> by GC/FID method	SOP 4 (ČSN EN ISO 9377-2)	Waste water, ground water	-
13	Determination of elements by ICP-OES method	SOP 5 (ČSN EN ISO 11885; ČSN EN ISO 15587-2; ČSN 75 7315)	Waste water, aqueous extracts	-
14	Determination of hexavalent chromium spectrophotometrically by MERCK commercial kit	SOP 7 (EPA Method 7196A; APHA Method 3500-Cr B; DIN 38405-24; MERCK manual)	Waste water	-

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15	Determination of anionic surfactants by spectrophotometry by MERCK commercial kit	SOP 8 (ČSN EN 903; MERCK manual)	Waste water	-
16	Determination of phosphate by spectrophotometry by MERCK commercial kit and P-PO <sub>4</sub> by calculation from measured values	SOP 20 (ČSN EN ISO 6878; MERCK manual)	Waste water	-
17	Determination of dissolved solids, dried and annealed, by gravimetry	SOP 13 (ČSN 75 7346)	Waste water, aqueous extracts	-
18	Determination of suspended solids, dried and annealed, by gravimetry	SOP 12 (ČSN EN 872; ČSN 75 7350)	Waste water	-
19	Determination of dissolved inorganic salts (DIS) by gravimetry	SOP 11 (ČSN 75 7347)	Waste water	-
20	Determination of biochemical oxygen demand (BOD <sub>5</sub> ) by luminescence	SOP 21 (ČSN EN ISO 5815-1; ČSN EN 1899-2; ČSN EN ISO 5814)	Waste water	-
21	Determination of total cyanide by spectrophotometry after distillation	SOP 22 (ČSN 75 7415)	Waste water	-
22	Determination of BTEX by GC/FID method and their sum by calculation from measured values	SOP 24 (ČSN EN ISO 15680; ČSN EN ISO 10301)	Waste water	-
23	Determination of phenols by spectrophotometry after distillation	SOP 29 (ČSN ISO 6439)	Waste water, aqueous extracts	-

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested subject	Degrees of freedom <sup>3</sup>
24	Determination of mercury by analyser AMA 254	SOP 30 (ČSN 75 7440; AMA manufacturer's manual)	Waste water, aqueous leachates, solid samples	-
25	Determination of fluoride by potentiometry (ISE)	SOP 31 (ČSN ISO 10359-1)	Waste water, aqueous extract	-
26	Gravimetric determination of dry matter, moisture, loss on ignition and combustible matter by gravimetry	SOP 33 (ČSN ISO 11465; ČSN EN 15934; ČSN EN 15935)	Solid samples	-
27	Determination of elements by ICP-OES method	SOP 34 (ČSN EN 13657; ČSN EN ISO 11885; US EPA Method 200.7; US EPA Method 6010)	Solid samples	-
28	Determination of chemical oxygen demand with dichromate (COD <sub>Cr</sub> ) by photometry	SOP 35 (ČSN ISO 15705)	Waste water	-
29	Determination of total organic carbon (TOC) by infrared spectrometry method	SOP 36 (ČSN ISO 10694; ČSN EN 15936)	Solid samples	-

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

<sup>2</sup> 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)

<sup>3</sup> the laboratory does not apply a flexible approach to the scope of accreditation

**Specification of the scope of accreditation:**

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
13	Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, S, Se, Si, Sr, V, Zn
22	Benzene, toluene, ethylbenzene, m,p-xylene, o-xylene
27	Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Ni, P, Pb, Sb, Se, Sr, V, Zn

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**Specification of the scope of accreditation:**

Ordinal test number	Detailed information on activities within the scope of accreditation (tested subject)
1, 4, 5, 10, 13, 17, 23, 24, 25	aqueous extracts according to ČSN EN 12457-4
24, 26, 27, 29	solid samples – waste, sediments, sludge, soils

Explanatory notes:

AMA 254      Single-Purpose Atomic Absorption Spectrometer

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