

**The Appendix is an integral part of
Certificate of Accreditation No: 697/2023 of 28/12/2023**

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 the activities within the scope of accreditation (determined analytes / subject of testing) 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	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 _{Cr}) by spectrophotometry with HACH kit	SOP 2 (ČSN ISO 15705; HACH manual)	Waste water	-
4	Determination of chloride by spectrophotometry with MERCK kit	SOP 9 (EPA Method 325.1; APHA Method 4500-Cl-E; MERCK manual)	Waste water, aqueous extracts	-
5	Determination of sulphate by spectrophotometry with MERCK kit	SOP 15 (EPA Method 375.4; APHA Method 4500-SO ₄ 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 ₂ by calculation from measured values	SOP 17 (ČSN EN 26777; MERCK manual)	Waste 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
8	Determination of nitrate by spectrophotometry with MERCK kit and N-NO ₃ by calculation from measured values	SOP 18 (DIN 38405-9; (MERCK manual)	Waste water	-
9	Determination of ammonium by spectrophotometry with MERCK kit and N-NH ₄ , NH ₃ by calculation from measured values	SOP 19 (EPA Method 350.1; APHA Method 4500-NH ₃ 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 ₁₀ to C ₄₀ by GC/FID method	SOP 4 (ČSN EN ISO 9377-2)	Waste 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 with MERCK kit	SOP 7 (EPA Method 7196A; APHA Method 3500-Cr B; DIN 38405-24; (MERCK manual)	Waste 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
15	Determination of anionic surfactants by spectrophotometry using MERCK kit	SOP 8 (ČSN EN 903; (MERCK manual)	Waste water	-
16	Determination of phosphate by spectrophotometry - MERCK kit and P-PO ₄ 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 ₅) 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	-

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 valid edition of the specified procedure is used (including any changes)

³ the laboratory does not apply a flexible approach to the scope of accreditation

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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

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (subject of testing)
1, 4, 5, 10, 13, 17	aqueous extracts according to ČSN EN 12457 - 4

Explanatory notes:

EPA Method - Methods for Chemical Analysis of Water and Wastes

APHA Method – Standard Methods for the Examination of Water and Wastewater

DIN - Deutsches Institut für Normung

ASTM - American Society for Testing and Materials