

**The Appendix is an integral part of
Certificate of Accreditation No. 253/2021 of 03/05/2021**

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

ANALYTIKA, spol. s r. o.
Radlík Testing Laboratory
Radlík 156, 254 01 Jílové u Prahy

The Laboratory provides expert opinions and interprets test results.

Tests:

Ordinal Number ¹	Test procedure/method name	Test procedure/ method identification ²	Tested object
1	Titrimetric chelatometric (complexometric) determination of nominal mass concentration of Al, Bi, Ca, Cd, Ce, Co, Cu, Dy, Er, Eu, F ⁻ , Fe ³⁺ , Ga, Gd, Hf, Hg, Ho, In, La, Lu, Mg, Mn, Nd, Ni, Pb, Pr, Sc, Sm, Sn, Tb, Th, Tl, Tm, U, V, Y, Yb, Zn, Zr	SOP-L No. 1 (Vogel A. I.: A text-book of quantitative inorganic analysis: Including elementary instrumental analysis)	Aqueous single-element calibration solutions
2	Titrimetric argentometric determination of nominal mass concentration of Br ⁻ , Cl ⁻ , I ⁻	SOP-L No. 2 (Vogel A. I.: A text-book of quantitative inorganic analysis: Including elementary instrumental analysis)	Aqueous single-element calibration solutions
3	Titrimetric alkalimetric determination of nominal mass concentration of B, NH ₄ ⁺	SOP-L No. 3 (Vogel A. I.: A text-book of quantitative inorganic analysis: Including elementary instrumental analysis)	Aqueous single-element calibration solutions
4	Titrimetric bromatometric determination of nominal mass concentration of Sb	SOP-L No. 4 (Vogel A. I.: A text-book of quantitative inorganic analysis: Including elementary instrumental analysis)	Aqueous single-element calibration solutions
5	Titrimetric manganometric determination of nominal mass concentration of Fe ²⁺ , NO ₂ ⁻	SOP-L No. 5 (Vogel A. I.: A text-book of quantitative inorganic analysis: Including elementary instrumental analysis)	Aqueous single-element calibration solutions
6	Reserved		
7	Gravimetric determination of nominal mass concentration of Ba in the form of BaCrO ₄	SOP-L No. 7 (Jílek A., Kot' a J. Vážková analyza a elektroanalyza - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions

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8	Gravimetric determination of nominal mass concentration of NO ₃ ⁻ , Re, W by nitrone	SOP-L No. 8 (Jílek A., Kořa J. Vážková analýsa a elektroanalýsa - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions
9	Gravimetric determination of nominal mass concentration of Ni, Pd by dimethylglyoxime	SOP-L No. 9 (Jílek A., Kořa J. Vážková analýsa a elektroanalýsa - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions
10	Gravimetric determination of nominal mass concentration of Mo by 8-hydroxyquinoline	SOP-L No. 10 (Jílek A., Kořa J. Vážková analýsa a elektroanalýsa - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions
11	Gravimetric determination of nominal mass concentration of Nb by cupferron	SOP-L No. 11 (Jílek A., Kořa J. Vážková analýsa a elektroanalýsa - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions
12	Gravimetric determination of nominal mass concentration of Be, Ta, Ti by hydrolysis with aqueous ammonia solution	SOP-L No. 12 (Jílek A., Kořa J. Vážková analýsa a elektroanalýsa - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions
13	Gravimetric determination of nominal mass concentration of Au by hydroquinone reduction	SOP-L No. 13 (Jílek A., Kořa J. Vážková analýsa a elektroanalýsa - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions
14	Gravimetric determination of nominal mass concentration of Sr by ammonium oxalate in the form of SrO	SOP-L No. 14 (Jílek A., Kořa J. Vážková analýsa a elektroanalýsa - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions
15	Titrimetric iodometric determination of nominal mass concentration of Se, Cr (VI)	SOP-L No. 15 (Jílek A., Kořa J. Vážková analýsa a elektroanalýsa - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions

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16	Gravimetric determination of nominal mass concentration of Ag in the form of AgCl	SOP-L No. 16 (Jílek A., Kořa J. Vážková analýsa a elektroanalýsa - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions
17	Gravimetric determination of nominal mass concentration of S, SO ₄ ²⁻ in the form of BaSO ₄	SOP-L No. 17 (Jílek A., Kořa J. Vážková analýsa a elektroanalýsa - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions
18	Determination of pH by potentiometry	SOP-L No. 18 (ČSN ISO 10523)	Standard solutions prepared from drinking and deionized water
19	Determination of electrical conductivity	SOP-L No. 19 (ČSN EN 27888)	Standard solutions prepared from drinking and deionized water
20	Gravimetric determination of nominal mass concentration of platinum by mercury(I) chloride reduction	SOP-L No. 20 (ČSN EN ISO 11489)	Aqueous single-element calibration solutions
21	Gravimetric determination of nominal mass concentration of arsenic, phosphorus and phosphate in the form of magnesium pyroarsenate and pyrophosphate (Mg ₂ As ₂ O ₇ and Mg ₂ P ₂ O ₇)	SOP-L No. 21 (Jílek A., Kořa J. Vážková analýsa a elektroanalýsa - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions
22	Gravimetric determination of nominal mass concentration of silicon in the form of SiO ₂	SOP-L No. 22 (Jílek A., Kořa J. Vážková analýsa a elektroanalýsa - Gravimetric analysis and electroanalysis)	Aqueous single-element calibration solutions
23	Determination of nominal mass concentration of Li, Na, K, Rb, Cs by flame AAS	SOP-L No. 23 (Analytical methods – Flame Atomic Absorption Spectrometry VARIAN)	Aqueous single-element calibration solutions
24	Determination of nominal mass concentration of Li, Na, K, Rb, Cs by flame AES	SOP-L No. 24 (Analytical methods – Flame Atomic Absorption Spectrometry VARIAN)	Aqueous single-element calibration solutions

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25	Determination of nominal mass concentration of Ge by flame AAS	SOP-L No. 26 (Analytical methods – Flame Atomic Absorption Spectrometry VARIAN)	Aqueous single-element calibration solutions
26	Determination of nominal mass concentration Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ir, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Rh, Sb, Se, Sr, Sn, Te, Ti, Tl, V, Zn by ICP-OES method	SOP-L No. 29 (Operating manual iCAP 7000 Plus Series ICP-OES)	Aqueous single-element and multi-element calibration solutions
27	Determination of nominal mass concentration As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, P, Pb, Sb, Sn, V, Zn by ICP-OES method	SOP-L No. 30 (Operating manual iCAP 7000 Plus Series ICP-OES)	Aqueous and aqua-regia extracts of soils and sludges
28	Determination of the nominal mass concentration of Br ⁻ , Cl ⁻ , F ⁻ , NO ₂ ⁻ , NO ₃ ⁻ , PO ₄ ³⁻ , SO ₄ ²⁻ anions by ion chromatography with conductivity detection in aqueous calibration solutions	SOP-L No. 31 (Dionex Integrion HPIC System Operator's Manual)	Aqueous single-element and multi-element calibration solutions
29	Volumetric determination of molar concentration of strong acids and bases	SOP-L No. 33 (Vogel A. I., Vogel's Textbook of Quantitative Chemical Analysis)	Strong acids and bases

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)

Explanations:

AAS – Atomic Absorption Spectrometry

AES – Atomic Emission Spectrometry

ICP-OES – Inductively Coupled Plasma Optical Emission Spectrometry

HPIC – High Pressure Ion Chromatography