

**The Appendix is an integral part of
Certificate of Accreditation No. 120/2023 of 14/03/2023**

Accredited entity according to ČSN EN ISO 17034:2017:

ANALYTIKA, spol. s r. o.
CAB Number 7501, Department of Reference Materials
Ke Klíčovu 816/2a, 190 00 Praha 9 – Vysočany

Workplaces of Reference Materials Producer:

1. **Production Centre – Location No. 1** Radlík 156, 254 01 Jílové u Prahy – Radlík
2. **Business Processes – Location No. 3** Ke Klíčovu 816/2a, 190 00 Praha 9 – Vysočany

Reference materials:

Ordinal number	Matrix, artefact type	Nominal properties / characterized properties	Assignment of property values incl. measurements method
Chemical substances – RM/CRM			
1	Single element and multi-element aqueous calibration solutions RM/CRM	Ions 0.001 mg/l to 10,000 mg/l	Gravimetric preparation using pure raw materials ¹
2	Aqueous calibration solutions for the measurement of pH RM/CRM	pH 1.688 to 10.062	Gravimetric preparation using pure raw materials ²
3	Aqueous calibration solutions for the measurement of electrical conductivity RM/CRM	Electrical conductivity 14.7 mS/m to 11,130.0 mS/m	Gravimetric preparation using pure raw materials ³
4	Agricultural soil, soil, sludge, sediment RM/CRM	Elements 0.001 mg/kg to 100,000 mg/kg	Native material verified by interlaboratory comparison using spectroscopic methods (AAS, ICP-MS, ICP-OES)
5	Agricultural soil, soil, sludge, sediment RM/CRM	Semivolatile organic compounds 0.001 mg/kg to 100,000 mg/kg	Native material verified by interlaboratory comparison using chromatographic methods (HPLC, HPLC-MS, GC, GC-MS)
6	Plant material RM/CRM	Elements 0.001 mg/kg to 100,000 mg/kg	Native material verified by interlaboratory comparison using spectroscopic methods (AAS, ICP-MS, ICP-OES)
7	Plant material RM/CRM	Semivolatile organic compounds 0.01 mg/kg to 100,000 mg/kg	Native material verified by interlaboratory comparison using chromatographic methods (HPLC, HPLC-MS, GC, GC-MS)

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Ordinal number	Matrix, artefact type	Nominal properties / characterized properties	Assignment of property values incl. measurements method
Chemical substances – RM/CRM			
8	Plant material extract RM/CRM	Cannabinoids 0.001 mg/l to 100,000 mg/l	Plant material extract in mineral oil, verified by interlaboratory comparison using chromatographic methods (HPLC, HPLC-MS)

Explanatory notes:

- ¹ assigned property values are verified by using gravimetric, volumetric and spectroscopic methods (AAS, ICP-MS, ICP-OES)
- ² assigned property value is verified by using potentiometric method
- ³ assigned property value is verified by using conductometric method