



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
Olšanská 54/3, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

CERTIFICATE OF ACCREDITATION

No. 593/2022

ELVAC EKOTECHNIKA s.r.o.
with registered office Tavičská 337/23, 703 00 Ostrava - Vítkovice,
Company Registration No. 26839652

to the Testing Laboratory No. **1532**
Emission and Immission Measurement Laboratory

Scope of accreditation:

Measurement of emission of pollutants to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

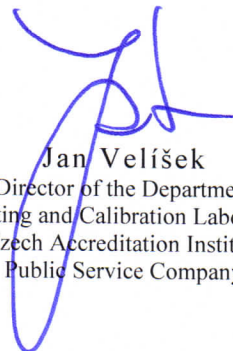
In its activities performed within the scope and for the period of validity of this Certificate, the Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 368/2021 of 7. 7. 2021, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **7. 7. 2026**

Prague: 6. 12. 2022




Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute
Public Service Company



**The Appendix is an integral part of
Certificate of Accreditation No. 593/2022 of 06/12/2022**

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

ELVAC EKOTECHNIKA s.r.o.
Emission and Immission Measurement Laboratory
Tavičská 337/23, 703 00 Ostrava – Vítkovice

Tests:

Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested object
1*	Determination of the velocity and volume flow rate	EKO-SOP-E01/2 (ČSN ISO 10780)	Waste gas
2*	Determination of the moisture content of gas (condensation method, capacitance detector)	EKO-SOP-E02/2 (ČSN EN 14790)	Waste gas
3*	Determination of the concentration of oxygen (paramagnetic method)	EKO-SOP-E03/2 (ČSN EN 14789)	Waste gas
4*	Determination of the mass concentration of solid pollutants by calculation from measured values ³	EKO-SOP-E04/2 (ČSN ISO 9096:1998, ČSN EN 13284-1)	Waste gas
5*	Determination of the mass concentration of solid pollutants (sulphur dioxide, nitrogen oxides, carbon monoxide) by automated analysers (NDIR), nitrogen oxides - chemiluminescence	EKO-SOP-E05/2 (ČSN EN 15058, ČSN ISO 7935, ČSN ISO 10849, ČSN EN 14792)	Waste gas
6*	Determination of total mass concentration of organic compounds expressed as total organic carbon (TOC) by automatic analysers (FID)	EKO-SOP-E06/2 (ČSN EN 12619)	Waste gas
7	Determination of the mass concentration of metals by calculation from measured values ³ (Sb, As, Sn, Cr, Co, Cd, Cu, Mn, Ni, Pb, Tl, V, Zn, Hg, Be, Te, Se)	EKO-SOP-E07/2 (ČSN EN 14385, ČSN EN 13284-1) (ČSN EN 13211)	Waste gas



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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested object
8	Determination of the mass concentration of volatile organic compounds (VOC) by calculation from measured values ³	EKO-SOP-E08/2 (ČSN P CEN/TS 13649, ČSN EN ISO 16017-1)	Waste gas
9	Determination of the mass concentration of persistent organic compounds by calculation from measured values ³	EKO-SOP-E09/2 (ČSN EN 1948-1, ČSN EN 1948-4+A1)	Waste gas
10	Determination of the mass concentration of gases and vapours by calculation from measured values ³ (HCl, HF, NH ₃ , H ₂ S, SO ₂)	EKO-SOP-E10/2 (ČSN EN 1911, ČSN P CEN/TS 17340, ČSN 83 4728-2, ČSN 83 4712-2, ČSN EN 14791)	Waste gas
11. *	Quality assurance of automated measuring systems	EKO-SOP-E11/2 (ČSN EN 14181 cl.6 QAL2, cl.8 AST)	Automated emission measuring systems

- 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)
- ³ the laboratory determination of an analyte in the sample is subcontracted to an accredited testing laboratory



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Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Sampled object
1	Sampling of solid pollutants (isokinetic sampling with automated or manual isokinetic control)	EKO-SOP-E04/V2 (ČSN ISO 9096:1998, ČSN EN 13284-1)	Waste gas
2	Sampling for the determination of metals (Sb, As, Sn, Cr, Co, Cd, Cu, Mn, Ni, Pb, Tl, V, Zn, Hg, Be, Te, Se) - isokinetic sampling with automatic isokinetic control)	EKO-SOP-E07/V2 (ČSN EN 14385, ČSN EN 13284-1, ČSN EN 13211)	Waste gas
3	Sampling of volatile organic compounds (VOC) by capture on a solid sorbent	EKO-SOP-E08/V2 (ČSN P CEN/TS 13649, ČSN EN ISO 16017-1)	Waste gas
4	Sampling for the determination of persistent organic compounds (PCDD/F, PCB, PAH) - isokinetic sampling with automatic isokinetic control, filtration condensation method	EKO-SOP-E09/V2 (ČSN EN 1948-1, ČSN EN 1948-4+A1)	Waste gas
5	Sampling of gases and vapours by absorption in a liquid (HCl, HF, NH ₃ , H ₂ S, SO ₂)	EKO-SOP-E010/V2 (ČSN EN 1911-1, ČSN P CEN/TS 17340, ČSN 83 4728-2, ČSN 83 4712-2, ČSN EN 14791)	Waste gas

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)

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Explanations:

- EKO-SOP – Standard Operating Procedure
- TOC – The sum of volatile organic compounds expressed as total organic carbon
- VOC – Volatile Organic Compounds
- NDIR – Non-Dispersive Infrared Spectrometry
- FID – flame ionization detection
- PCDD/F – Polychlorinated Dibenzodioxins/Polychlorinated Dibenzofurans
- PCB – Polychlorinated Biphenyls
- PAH – Polycyclic Aromatic Hydrocarbons
- Emissions – Waste gas containing pollutants released in a controlled manner or leaking into atmosphere from sources of pollution
- QAL2 – Calibration and validation of automated measuring systems
- AST – Annual verification of the accuracy of automated measuring systems

