



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. 482/2023

ekoDEM Pardubice s.r.o.
with registered office Dr. Tyrše 704, 533 41 Lázně Bohdaneč,
Company Registration No. 09651799

for the Testing Laboratory No. 1794
Air Protection Measurement Laboratory

Scope of accreditation:

Measurement of emissions and chemical pollutants in working environment 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

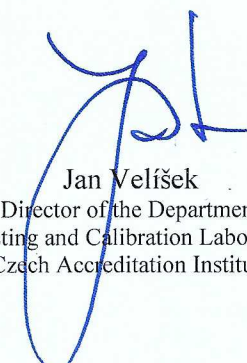
ČSN EN ISO/IEC 17025:2018

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

The Certificate of Accreditation is valid until: **14. 9. 2026**

Prague: 14. 9. 2023




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



**The Appendix is an integral part of
Certificate of Accreditation No: 482/2023 of 14/09/2023**

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

ekoDEM Pardubice s.r.o.
CAB number 1794, Air Protection Measurement Laboratory
K Třešňovce 247, 533 75 Dolní Ředice

Detailed information on activities within the scope of accreditation (determined analytes) 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	Emissions			
1.1*	Determination of velocity and volume flow rate	SOP-E-101 (ČSN ISO 10780; ČSN EN 15259; ČSN EN ISO 16911-1)	Emissions	-
1.2*	Determination of gas water content (condensation, adsorption method, capacitance detector)	SOP-E-102 (ČSN EN 14790)	Emissions	-
1.3*	Determination of volume concentration of oxygen (O ₂) by automatic analyzers (paramagnetic method)	SOP-E-103, part A (ČSN EN 14789)	Emissions	-
1.4*	Determination of volume concentration of oxygen (O ₂) by automatic analyzers (electrochemical cell method)	SOP-E-103, part B (ISO 12039:2019)	Emissions	-
1.5*	Determination of mass concentration of gaseous pollutants (CO, NO, NO ₂ , N ₂ O, NO _x , SO ₂ , CH ₄) and determination of volume concentration of CO ₂ by automatic analyzers (NDIR)	SOP-E-104, part A (ČSN EN 15058; ČSN ISO 7935; ČSN ISO 10849; ČSN P CEN/TS 17405; ČSN EN ISO 21258; MRU MGAPrime manual)	Emissions	-
1.6*	Determination of mass concentration of gaseous pollutants (NO _x) by automatic analyzers (chemiluminescence)	SOP-E-104, part B (ČSN EN 14792)	Emissions	-
1.7*	Determination of total mass concentration of organic compounds expressed as total organic carbon (TOC) and mass concentration of methane (CH ₄) by automatic analyzers (FID)	SOP-E-105 (ČSN EN 12619; ČSN EN ISO 25140)	Emissions	-
1.8	Determination of mass concentration of volatile organic compounds (VOC) by calculation from measured values ⁴	SOP-E-106 (ČSN P CEN/TS 13649; ČSN EN ISO 16017-1; EPA Method (FOU1A))	Emissions	-



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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test	Degrees of freedom ³
1.9	Determination of mass concentration of solid pollutants (by gravimetry)	SOP-E-107 (ČSN EN 13284-1; ČSN EN 15259)	Emissions	-
1.10	Determination of mass concentration of metals by calculation from measured values ⁴	SOP-E-108 (ČSN EN 14358; ČSN EN 13211; EPA Method 29; ČSN ISO 13284-1; ČSN EN 15259)	Emissions	-
1.11	Determination of mass concentration of gases and vapours by calculation from measured values ⁴	SOP-E-109 (ČSN EN 1911; ČSN P CEN/TS 17340; ČSN 83 4712-1; ČSN P CEN/TS 17638; ČSN EN ISO 21877)	Emissions	-
2	Workplace air			
2.1	Determination of mass concentration of dust and aerosol (by gravimetry)	SOP-P-201 (Gov. Reg. No. 361/2007 Coll.)	Workplace air	-
2.2	Determination of the mass concentration of gases and vapours by calculation from measured values ⁴	SOP-P-202 (Gov. Reg. No. 361/2007 Coll.; ČSN EN ISO 16017-1; ČSN EN 689+AC)	Workplace air	-
2.3	Determination of numerical concentration of mineral and asbestos fibres by calculation from measured values ⁴	SOP-P-202 (Gov. Reg. No. 361/2007 Coll.; ČSN EN 689+AC)	Workplace air	-

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 does not apply a flexible approach to the scope of accreditation

⁴ laboratory determination of the analytes in the sample is carried out by an external test provider within the scope of its 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)
1.8	Volatile organic compounds, carbonyl compounds, amines
1.10	Sb, As, Sn, Cr, Co, Cd, Cu, Mn, Ni, Pb, Tl, V, Zn, Al, Ag, Fe, Ba, Hg, Be, Te, Se
1.11	HCl, HF, NH ₃ , H ₂ S, inorganic acids

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
1	Sampling of solid pollutants (isokinetic sampling with manual and automatic control)	SOP-EVZ-01 (ČSN EN 13284-1; ČSN EN 15259)	Emissions
2	Sampling for the determination of metals (isokinetic sampling with manual and automatic control)	SOP-EVZ-02 (ČSN EN 14358; ČSN EN 13211; EPA Method 29; ČSN ISO 13284-1; ČSN EN 15259)	Emissions
3	Sampling of volatile organic compounds (VOC) by capture on a solid sorbent	SOP-EVZ-03 (ČSN P CEN/TS 13649; ČSN EN ISO 16017-1; EPA Method TO-11A)	Emissions
4	Sampling of gases and vapours by absorption in a liquid	SOP-EVZ-04 (ČSN EN 1911; ČSN P CEN/TS 17340; ČSN 83 4712-2; ČSN EN ISO 21877)	Emissions
5	Taking samples on a solid sorbent (filter, PUF, sorption tube)	SOP-PVZ-05 (Gov. Reg. No. 361/2007 Coll.; ČSN EN ISO 16017-1; ČSN EN 689+AC)	Workplace air
6	Sampling into a liquid (sorption solution)	SOP-PVZ-06 (Gov. Reg. No. 361/2007 Coll.)	Workplace air

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)

Explanatory notes:

Emission – waste gas containing pollutants released in a controlled manner or leaking into atmosphere from air pollution sources

