



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
Hájkova 2747/22, Žižkov, 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. **689/2024**

TECHNICKÉ SLUŽBY OCHRANY OVZDUŠÍ OSTRAVA spol. s r.o.
with registered office Janáčkova 1020/7, Moravská Ostrava, 702 00 Ostrava,
Company Registration No. 49606123

for the Testing Laboratory No. **1557**
Emission Measurement Testing Laboratory

Scope of accreditation:

Measurement of emissions of pollutants from stationary sources of pollution, measurement of noise in workplace and non-workplace 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

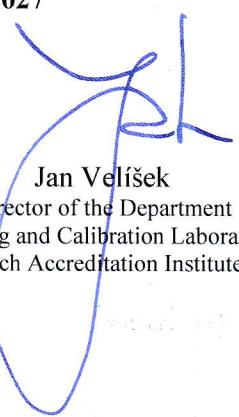
In its activities performed within the scope and for the period of validity of this Certificate, the Conformity Assessment Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance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

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 218/2022 of 09/05/2022, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **09/05/2027**

Prague: 18/12/2024




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. 689/2024 of 18/12/2024**

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

TECHNICKÉ SLUŽBY OCHRANY OVZDUŠÍ OSTRAVA spol. s r.o.

CAB number 1557, Emission Measurement Testing Laboratory

Janáčkova 1020/7, Moravská Ostrava, 702 00 Ostrava

Detailed information on activities within the scope of accreditation (determined analytes, source literature) is given in the section „Specification of the scope of accreditation“.

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1	Determination of mass concentration of solid pollutants by gravimetry	SOP II except chap. 5 and 6 (ČSN EN 13284-1)	Emissions	-
2	Determination of mass concentration of metals by calculation from measured values ⁴	SOP II except chap. 4 and 5 (ČSN EN 14385; ČSN EN 13211)	Emissions	-
3	Determination of mass concentration of persistent organic compounds by calculation from measured values ⁴	SOP II except chap. 4 and 6 (ČSN EN 1948-3; ČSN EN 1948-4+A1)	Emissions	-
4	Determination of mass concentration of gases and vapours after absorption into liquid and calculation from measured values ⁴	SOP 15 (ČSN EN 1911; ČSN P CEN/TS 17340; ČSN EN 14 791)	Emissions	-
5	Determination of mass concentration of volatile organic compounds (VOC) by capture on a solid sorbent by calculation from measured values ⁴	SOP 16 (ČSN P CEN/TS 13649)	Emissions	-
6*	Determination of mass concentration of gaseous substances by automatic analyzers NDIR method	SOP I except chap. 2b, 2c, 2d, 2e (ISO 10396; ČSN ISO 7935; ČSN EN 15058; ČSN ISO 10849; Manual Siemens; ČSN P CEN/TS 17405)	Emissions	-



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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
7*	Determination of mass concentration of organic compounds expressed as TOC by an automatic analyzer (FID)	SOP I except chap. 2a, 2b, 2d, 2e (ISO 10396; ČSN EN 12619)	Emissions	-
8*	Determination of mass concentration of oxygen (O ₂) by an automatic analyzer (paramagnetic method)	SOP I except chap. 2a, 2c, 2d, 2e (ISO 10396; ČSN EN 14789)	Emissions	-
9*	Determination of velocity and volume flowrate of gas	SOP 20 (ČSN ISO 10780)	Emissions	-
10*	Determination of moisture content of gas streams in ducts by condensation adsorption, adsorption method and capacitance detector	SOP 20 (ČSN EN 14790)	Emissions	-
11*	Determination of mass concentration of hydrogen (H ₂) by an automatic analyzer (TCD method)	SOP I except chap. 2a, 2b, 2c, 2e (ISO 10396; Manual Siemens)	Emissions	-
12 *	Determination of mass concentration of nitrogen oxides (NO _x) by an automatic analyzer (chemiluminescence)	SOP I except chap. 2a, 2b, 2c, 2d (ISO 10396; ČSN EN 14792)	Emissions	-
13 *	Demonstration of quality of automated measuring systems	SOP III (ČSN EN 14181, cl. 6 QAL2, cl. 8 AST)	Automated emission measuring systems	-
14*	Measurement of noise	SOP 23 (ČSN ISO 1996-1; ČSN ISO 1996-2; MoH CR Bulletin No.14/2023)	Non-workplace environment	
15 *	Measurement of noise	SOP 24 (ČSN EN ISO 9612; ČSN EN ISO 11201; ČSN EN ISO 1120; MoH CR Bulletin No. 4/2013)	Workplace environment	-



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- 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
- ⁴ the laboratory determination of the analytes in the sample is carried out by an external test provider within the scope of its accreditation

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
2	As, Cd, Be, Cr, Co, Ni, Tl, Se, Te, Sb, Sn, Mn, Cu, Pb, V, Zn, Al, Hg
3	PCDD/PCDF, PCB, PAU
4	HCl, HF, SO ₂
5	Benzene, toluene, o-xylene, m-xylene, p-xylene, ethylbenzene, methanol, ethanol, isopropanol, n-propanol, isobutanol, n-butanol, 1-methoxy-2-propanol, methylacetate, ethylacetate, n-propylacetate, isobutylacetate, n-butylacetate, 2-butoxyethylacetate, acetone, ethylenoxide, methyl-iso-butylketone, ethylmethylketone, 1,1-dichloroethene, 1,2-cis-dichloroethene, 1,2-trans-dichloroethene, dichloromethane, 1,2-dichloroethane, chloroform, tetrachloromethane, trichloroethene, tetrachloroethene, chlorobenzene, p-dichlorobenzene, o-dichlorobenzene, carbon sulphide, pentane, n-hexane, n-heptane, decane, phenol, 2-ethoxyethanol, 2-butoxyethanol, styrene, benzines, methane, methylmethacrylate, cyclohexane, trimethylbenzenes, tetrahydrofuran, 1,3-butadiene
6	gaseous substances: SO ₂ - sulphur dioxide, CO - carbon monoxide, NO _x - nitrogen oxides, CH ₄ - methane, CO ₂ - carbon dioxide

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
14	MoH CR Bulletin No. 4/2013 - Methodological guide for the measurement and evaluation of noise in non-working environment;
15	MoH CR Bulletin No. 4/2013) - Methodological guide for the measurement and evaluation of noise and vibrations at workplace and vibrations in protected indoor areas of buildings (section Noise at the workplace)



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Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
1	Isokinetic sampling of solid pollutants with manual isokinetic control	SOP II except chap. 5 and 6 (ČSN EN 13284-1)	Emissions
2	Isokinetic sampling of metals with manual isokinetic control	SOP II except chap. 4 and 5 (ČSN EN 14385; ČSN EN 13211)	Emissions
3	Sampling of persistent organic compounds with manual isokinetic control, filtration-condensation method	SOP II except chap. 4 and 6 (ČSN EN 1948-1; ČSN EN 1948-4 + A1)	Emissions
4	Sampling of gases and vapours by absorption in a liquid	SOP 15 (ČSN EN 1911; ČSN P CEN/TS 17340; ČSN EN 14791)	Emissions
5	Sampling of volatile organic compounds (VOC) by catching on a solid sorbent	SOP 16 (ČSN P CEN/TS 13649)	Emissions

¹ 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)

Explanations:

Emission – waste gas containing pollutants, which is released in a controlled manner or leaks into atmosphere from pollution sources.

SOP – Standard Operating Procedure

MoH – Ministry of Health

QAL – Quality Assurance Level

AST – Annual Surveillance Test

VOC – Volatile Organic Compounds

NDIR – Nondispersive Infrared Spectrometry

TCD – Thermal Conductivity Detector

FID – Flame Ionization Detection

PCDD/PCDF – Polychlorinated Dibenzodioxins/Polychlorinated Dibenzofurans

PCB – Polychlorinated Biphenyls

PAH – Polycyclic Aromatic Hydrocarbons

HCl – inorganic chlorine compounds including hydrogen chloride

HF – inorganic fluorine compounds including hydrogen fluoride

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail both for the certificate appendix and the certificate itself."

