

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. 218/2022

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

to 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 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.: 656/2019 of 4. 12. 2019, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **9. 5. 2027**

Prague: 9. 5. 2022



Lukáš Burda  
Director of the Department  
of Testing and Calibration Laboratories  
Czech Accreditation Institute  
Public Service Company

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

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Emission Measurement Testing Laboratory  
Janáčkova 1020/7, Moravská Ostrava, 702 00 Ostrava

**Tests:**

Ordinal number <sup>1</sup>	Test procedure/ method name	Test procedure/ method identification <sup>2</sup>	Tested object
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 <sup>3</sup> (As, Cd, Be, Cr, Co, Ni, Tl, Se, Te, Sb, Sn, Mn, Cu, Pb, V, Zn, Al, Hg)	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 <sup>3</sup> (PCDD/PCDF, PCB, PAH)	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 by absorption into liquid and calculation from measured values <sup>3</sup> (HCl) (HF) (SO <sub>2</sub> )	SOP 15 (ČSN EN 1911, ČSN P CEN/TS 17340, ČSN EN 14 791)	Emissions
5	Determination of mass concentration of volatile organic compounds by capture on a solid sorbent by calculation from measured values <sup>3</sup> (VOC)	SOP 16 (ČSN P CEN/TS 13649)	Emissions
6*	Determination of mass concentration of gaseous substances (SO <sub>2</sub> , CO, NO <sub>x</sub> , CH <sub>4</sub> , CO <sub>2</sub> ) by automatic analyzers (NDIR method)	SOP I except chap. 2b, 2c and 2d (ISO 10 396) (ČSN ISO 7935) (ČSN EN 15058) (ČSN ISO 10849) Manual Siemens) ČSN P CEN/TS 17405)	Emissions



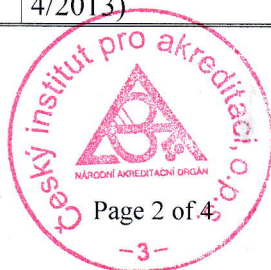
**The Appendix is an integral part of  
Certificate of Accreditation No. 218/2022 of 09/05/2022**

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

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Ordinal number <sup>1</sup>	Test procedure/ method name	Test procedure/ method identification <sup>2</sup>	Tested object
7*	Determination of mass concentration of organic compounds expressed as TOC by an automatic analyzer (FID)	SOP I except chap.2a, 2b and 2d (ISO 10 396, ČSN EN 12619)	Emissions
8*	Determination of mass concentration of oxygen (O <sub>2</sub> ) by an automatic analyzer (paramagnetic method)	SOP I except chap. 2a, 2c and 2d (ISO 10 396, ČSN EN 14789)	Emissions
9*	Determination of velocity and volume flowrate of gas (Flow Q)	SOP 20 (ČSN ISO 10780)	Emissions
10*	Determination of moisture content of gas streams in ducts by condensation adsorption, adsorption method and capacitance detector (H <sub>2</sub> O)	SOP 20 (ČSN EN 14790)	Emissions
11*	Determination of mass concentration of hydrogen (H <sub>2</sub> ) 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 <sub>x</sub> ) 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 1418, p. 6 QAL2, p. 8 AST)	Automated emission measuring systems
14 *	Measurement of noise	SOP 23 (ČSN ISO 1996-1, ČSN ISO 1996-2, ČSN EN ISO 9612, ČSN EN ISO 11201, ČSN EN ISO 11202, MoH CR Bulletin No.11/2017 MoH CR Bulletin No. 4/2013)	Non-workplace and workplace environment



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- <sup>1</sup> asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises
- <sup>2</sup> 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)
- <sup>3</sup> The Laboratory subcontracts testing to external accredited testing laboratories

**Sampling:**

Ordinal number	Sampling procedure name	Sampling procedure identification <sup>1</sup>	Sampled object
1	Isokinetic sampling of solid pollutants (manual isokinetic control)	SOP II except chap. 5 and 6 (ČSN EN 13284-1)	Emissions
2	Isokinetic sampling of metals (manual isokinetic control) (Be, Cd, As, Cr, Co, Ni, Tl, Se, Te, Sb, Sn, , Mn, Cu, Pb, V, Zn, Al, Hg)	SOP II except chap. 4 and 5 (ČSN EN 14385, ČSN EN 13211)	Emissions
3	Sampling of persistent organic compounds (manual isokinetic control, filtration-condensation method) (PCDD/PCDF, PCB, PAH)	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 (HCl, HF, SO <sub>2</sub> )	SOP 15 (ČSN EN 1911, ČSN P CEN/TS 17340, ČSN EN 14791)	Emissions
5	Sampling of volatile organic compounds by catching on a solid sorbent (VOC)	SOP 16 (ČSN P CEN/TS 13649)	Emissions

- <sup>1</sup> 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 and abbreviations:

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

TOC – the sum of volatile organic compounds expressed as total organic carbon

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

SO<sub>2</sub> – sulphur dioxide

CO – carbon monoxide

NO<sub>x</sub> – nitrogen oxides (nitrogen oxide and nitrogen dioxide) expressed as nitrogen tetroxide

CO<sub>2</sub> – carbon dioxide

CH<sub>4</sub> – methane

H<sub>2</sub> – hydrogen

