



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

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

CERTIFICATE OF ACCREDITATION

No. 582/2025

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 Calibration Laboratory No. 2420
Calibration Laboratory

Scope of accreditation:

Calibration in the fields of flow and amount of substance 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 abovementioned Accredited 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.: 556/2022 of 21/11/2022, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **13/11/2030**

Prague: 13/11/2025



Signed in the Czech original:
Jan Velíšek on 13/11/2025

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

This translation of the Czech original has been issued by: Eliška Frycová

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

TECHNICKÉ SLUŽBY OCHRANY OVZDUŠÍ OSTRAVA spol. s r.o.
CAB number 2420, Calibration Laboratory
Janáčkova 1020/7, Moravská Ostrava, 702 00 Ostrava

The laboratory provides opinions and interpretations of the calibration results.

CMC for the field of measured quantity: Flow

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Location
		min unit	max unit					
1*	Volumetric gas flow / automated measuring systems	600 m ³ h ⁻¹	to 300,000 m ³ h ⁻¹	Gas flow velocity: 5 m·s ⁻¹ to 50 m·s ⁻¹	3.0 %	Calculated from the gas flow velocity determined by direct measurement with a Prandtl tube	SOP_10	

¹ Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

² The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies

³ If the document identifying the calibration procedure is dated, only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

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

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

CAB number 2420, Calibration Laboratory
Janáčkova 1020/7, Moravská Ostrava, 702 00 Ostrava

CMC for the field of measured quantity: Amount of substance

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Location
		min	unit	max	unit					
1*	Amount-of-substance concentration / SO ₂ analyzers	0	μmol/mol	to	18	μmol/mol	0.12 μmol/mol 0.66 %	Comparison with reference gas ČSN EN ISO 9169, ČSN ISO 11095	SOP_22	
		18	μmol/mol	to	5,000	μmol/mol				
	NO analyzers	0	μmol/mol	to	24	μmol/mol	0.12 μmol/mol 0.5 %			
		24	μmol/mol	to	3,000	μmol/mol				
	CO analyzers	0	μmol/mol	to	17	μmol/mol	0.12 μmol/mol 0.66 μmol/mol			
		17	μmol/mol	to	10,000	μmol/mol				
	C ₃ H ₈ analyzers	0	μmol/mol	to	36	μmol/mol	0.11 μmol/mol 0.3 %			
		36	μmol/mol	to	5,000	μmol/mol				
	CH ₄ analyzers	0	μmol/mol	to	36	μmol/mol	0.11 μmol/mol 0.3 %			
		36	μmol/mol	to	40,000	μmol/mol				
	NH ₃ analyzers	0	μmol/mol	to	4	μmol/mol	0.12 μmol/mol 3.0 %			
		4	μmol/mol	to	2,000	μmol/mol				
	NO ₂ analyzers	0	μmol/mol	to	2	μmol/mol	0.12 μmol/mol 6.0 %			
		2	μmol/mol	to	2,000	μmol/mol				
	N ₂ O analyzers	0	μmol/mol	to	6	μmol/mol	0.12 μmol/mol 2.0 %			
		6	μmol/mol	to	2,000	μmol/mol				
CO ₂ analyzers	0	mol/mol	to	0.004	mol/mol	0.01 mmol/mol 0.3 %				
	0.004	mol/mol	to	0.5	mol/mol					
O ₂ analyzers	0	mol/mol	to	0.003	mol/mol	0.01 mmol/mol 0.42 %				
	0.004	mol/mol	to	0.25	mol/mol					

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Janáčkova 1020/7, Moravská Ostrava, 702 00 Ostrava

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Location
		min	unit	max	unit					
2*	NO ₂ – NO converter efficiency	0 %		to	100 %	50 to 500 μmol/mol	0.4 % abs.	Direct measurement by standard reference method ČSN EN 14792	SOP_23	
3*	Amount-of-substance concentration of tracer gas C ₃ H ₈ / olfactometers	1 μmol/mol		to	100 mmol/mol		0.5 %	Direct measurement by standard reference method ČSN EN 13725, chap. 6, 7, Annex B	SOP_24	

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"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. "