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

ENVILA s.r.o.
Calibration Laboratory
U Rybníčku 256, 533 52 Srch

CMC for the field of measured quantity: Amount of substance

Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified[2]	Calibration principle	Calibration procedure identification[3]	Work-place
		min.	unit	max.	unit					
1*	Analyzers for CO measurement	0 µmol/mol	up to	3,000	µmol/mol		0.28 %	Direct measurement on the principle of IR spectrometry and electrochemical methods	SOP K01 (ČSN EN ISO 9169, chap. 6.3, 6.4.1 to 6.4.3)	
		0.003 mol/mol	up to	0.1	mol/mol		0.20 %			
2*	Analyzers for NO measurement	0 µmol/mol	up to	5,000	µmol/mol		0.50 %	Direct measurement on the principle of IR spectrometry, chemiluminescence and electrochemical methods	SOP K01 (ČSN EN ISO 9169, chap. 6.3, 6.4.1 to 6.4.3)	
3*	Analyzers for SO_2 measurement	0 µmol/mol	up to	5,000	µmol/mol		0.54 %	Direct measurement on the principle of IR and UV spectrometry, fluorescence and electrochemical methods	SOP K01 (ČSN EN ISO 9169, chap. 6.3, 6.4.1 to 6.4.3)	
4*	Analyzers for O_2 measurement	0 mol/mol	up to	0.25	mol/mol		0.58 %	Direct measurement on paramagnetic and electrochemical principle	SOP K01 (ČSN EN ISO 9169, chap. 6.3, 6.4.1 to 6.4.3)	
5*	Analyzers for CO_2 measurement	0 mol/mol	up to	0.26	mol/mol		0.54 %	Direct measurement on the principle of IR spectrometry and electrochemical methods	SOP K01 (ČSN EN ISO 9169, chap. 6.3, 6.4.1 to 6.4.3)	
6*	Analyzers for NO_2 measurement	0 µmol/mol	up to	1,000	µmol/mol		2.0 %	Direct measurement on the principle of IR spectrometry and electrochemical methods	SOP K01 (ČSN EN ISO 9169, chap. 6.3, 6.4.1 to 6.4.3)	
7*	Analyzers for C_3H_8 measurement	0 µmol/mol	up to	3,000	µmol/mol		0.42 %	Direct measurement on the principle of FID and PID	SOP K01 (ČSN EN ISO 9169, chap. 6.3, 6.4.1 to 6.4.3, ČSN EN 12619, Annex A)	

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Ord. num-ber[1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified[2]	Calibration principle	Calibration procedure identification[3]	Work-place
		min.	unit	max.	unit					
8*	Analyzers for CH_4 measurement	0 mol/mol		up to	1 mol/mol		0.46 %	Direct measurement on the principle of FID and PID	SOP K01 (ČSN EN ISO 9169, chap. 6.3, 6.4.1 to 6.4.3)	
9*	Convertor efficiency $NO_2 \rightarrow NO$	0 µmol/mol		up to	1,000 µmol/mol	Efficiency 0 to 100 %	3 %	Direct measurement	SOP K03 (ČSN EN ISO 14792, chap. 6.3.2, Annex C)	

[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, 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 value measured. If the calibration is carried out outside the laboratory premises, the measurement uncertainty may be affected.

[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).

Explanations:

SOP   Standard Operating Procedure (Internal Calibration Procedure)

IR   Infrared Spectrometry

UV   Ultraviolet Spectrometry

FID   Flame Ionization Detection

PID   Photoionization Detection