

Accredited entity according to ČSN EN ISO/IEC 17025:2005:

INPEK spol. s r.o.
CAB number 2335, Calibration Laboratory
V Holešovičkách 94/41, Libeň, 182 00 Praha 8

CMC for the field of measured quantity: Amount of substance

Ord. No ¹	Calibrated Quantity / Calibrated Device	Nominal Range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Location
		min	quant.	max	quant.					
1*	Concentration of gaseous components							Comparison with the standard (CRM and dilution unit)	PPK 001 (ČSN EN ISO 9169)	
	NO	10 µmol/mol	to	2000 µmol/mol			1,08 %			
	NO ₂	10 µmol/mol	to	500 µmol/mol			2,22 %			
	N ₂ O	10 µmol/mol	to	500 µmol/mol			2,22 %			
	CO	10 µmol/mol	to	3000 µmol/mol			0,99 %			
		0,003 mol/mol	to	0,22 mol/mol			1,16 %			
	SO ₂	10 µmol/mol	to	2000 µmol/mol			1,00 %			
	CO ₂	0,0024 mol/mol	to	0,20 mol/mol			1,09 %			
	O ₂	0,004 mol/mol	to	0,21 mol/mol			1,00 %			
	C ₃ H ₈	10 µmol/mol	to	10000 µmol/mol			1,04 %			
2*	NO ₂ /NO converter					converter efficiency		Comparison with the standard (CRM and dilution unit)	PPK 002 (ČSN EN ISO 9169; ČSN EN 14792)	
		200 µmol/mol	to	1000 µmol/mol		0 to 100%	2,56 %			
		20 µmol/mol	to	200 µmol/mol		0 to 100%	3,35 %			

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).

"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. "