

**The Appendix is an integral part of
Certificate of Accreditation No. 305/2026 of 24/06/2026**

Accredited entity according to ČSN EN ISO 17034:2017:

Český metrologický institut
CAB Number 7502, CMI Reference Material Producer
Okružní 31, 638 00 Brno

Workplaces of Reference Material Producer:

- | | |
|---------------------|------------------------------|
| 1. RMP Branch Praha | Radiová 1136/3, 102 00 Praha |
| 2. RMP Branch Brno | Okružní 31, 638 00 Brno |

1. RMP Branch Praha

Reference materials:

Ordinal number	Matrix, artefact type	Nominal properties / characterized properties		Assignment of property values incl. measurements method
CRM / Chemical substances				
1	Synthetic natural gas	Nitrogen	0,1 – 25 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		Carbon dioxide	0,02 – 20 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		Methane	50 – 99,9 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		Ethane	0,2 – 25 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		Propane	0,05 – 12 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		2-methylpropane	0,05 – 1,5 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		Butane	0,05 – 1,5 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		2-methylbutane	0,01 – 0,25 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		Pentane	0,01 – 0,25 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		2,2-dimethylpropane	0,01 – 0,25 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		Hexane	0,01 – 0,25 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		Hydrogen	0,5 – 10 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		Helium	0,05 – 2,5 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		Oxygen	0,05 – 1 cmol/mol	Gravimetric preparation from pure materials ^{a)}
2	Ethanol in nitrogen	Ethanol	50 – 800 µmol/mol	Gravimetric preparation from pure materials ^{a)}

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Ordinal number	Matrix, artefact type	Nominal properties / characterized properties		Assignment of property values incl. measurements method
CRM / Chemical substances				
3	Car emissions (matrix nitrogen)	Carbon monoxide	0,05 – 10 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		Carbon dioxide	0,05 – 15 cmol/mol	Gravimetric preparation from pure materials ^{a)}
		Propane	20 – 1000 µmol/mol	Gravimetric preparation from pure materials ^{a)}
		Oxygen	0,05 – 25 cmol/mol	Gravimetric preparation from pure materials ^{a)}

2. RMP Branch Brno

Reference materials:

Ordinal number	Matrix, artefact type	Nominal properties / characterized properties		Assignment of property values incl. measurements method
CRM / Chemical substances				
1	Reserved			
2	Aqueous solutions (Primary/Secondary CRMs)	Electric conductivity	0,005 – 12 S/m	Measurement by primary/secondary standard ^{b)}

Explanatory notes:

cmol/mol is equivalent to 10⁻² mol/mol

µmol/mol is equivalent to 10⁻⁶ mol/mol

^{a)} analytical verification by gas chromatography (GC-TCD/FID)

^{b)} analytical verification by conductometry

"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."