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. **305/2026**

Český metrologický institut
with registered office Okružní 31, 638 00 Brno
Company Registration No. 00177016

for the Reference Materials Producer No. **7502**
CMI Reference Material Producer

Scope of accreditation:

Manufacture of certified reference materials for establishing metrological traceability in the areas of electrolytic conductivity measurement and synthetic gas/vapor mixtures 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 17034:2017

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.: 228/2025 of 19/05/2025, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **28/12/2028**

Prague: 24/06/2026

Český institut pro akreditaci, o.p.s.
CAI

Signed in the Czech original:
Milena Lochmanová on 24/06/2026

Milena Lochmanová
Director of the Department
of Medical Laboratories
Czech Accreditation Institute

This translation of the Czech original has been issued by: Jana Chvalovská

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)]

Accredited entity according to ČSN EN ISO 17034:2017:

Český metrologický institut

CAB Number 7502, CMI Reference Material Producer

Okružní 31, 638 00 Brno

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. "