



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
Olišanská 54/3, 130 00 Praha 3

issues

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

CERTIFICATE OF ACCREDITATION

No. 579/2022

ELVAC EKOTECHNIKA s.r.o.
with registered office Tavičská 337/23, 703 00 Ostrava - Vítkovice,
Company Registration No. 26839652

to the Calibration Laboratory No. **2419**
Calibration Laboratory

Scope of accreditation:

Calibration in the field of 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 Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

The Certificate of Accreditation is valid until: **1. 12. 2025**

Prague: 1. 12. 2022



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

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

ELVAC EKOTECHNIKA s.r.o.
Facility No. 2419, Calibration Laboratory
Tavičská 337/23, 703 00 Ostrava - Vítkovice

CMC for the field of measured quantity: Amount of substance

Ord. number	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	max					
1	Concentration of gaseous components					Comparison with reference material	EKO-SOP-K01	
			10 µmol/mol to 2,000 µmol/mol		0.95 %			
			10 µmol/mol to 5,000 µmol/mol		0.95 %			
			10 µmol/mol to 2,000 µmol/mol		0.95 %			
			2 µmol/mol to 10,000 µmol/mol		3.1 %			
			10 µmol/mol to 10,000 µmol/mol		2.1 %			
			5 µmol/mol to 500 µmol/mol		3.4 %			
			10 µmol/mol to 500 µmol/mol		3.3 %			
			0.004 mol/mol to 0.25 mol/mol		0.76 %			
			0.004 mol/mol to 0.20 mol/mol		0.76 %			
2	NO ₂ – NO converter efficiency (µmol/mol NO)	0.01	to 1		3.1 %	Comparison with reference material	EKO-SOP-K01	

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 %.

³⁾ If not stated otherwise, the uncertainty values stated without a unit are relative to the value measured. The uncertainty value given here is based on the best laboratory conditions achievable; the uncertainty value of a particular calibration may be higher depending on the conditions of that calibration. For identical limit values of adjacent ranges, the lower uncertainty value always applies. 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).

