



SCS Directory

Accreditation number: SCS 0089

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

<p>Empa Abteilung 503 Luftfremdstoffe / Umwelttechnik Kalibrierstelle für Ozon-Messgeräte Überlandstrasse 129 CH-8600 Dübendorf</p>	<p>Head: Dr. Christoph Zellweger Responsible for MS: Dr. Joachim Mohn Telephone: +41 058 765 55 11 E-Mail: christoph.zellweger@empa.ch Internet: www.empa.ch Initial accreditation: 01.03.1999 Current accreditation: 01.03.2024 to 28.02.2029 Scope of accreditation see: www.sas.admin.ch (Accredited bodies)</p>
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Scope of accreditation as of 01.03.2024

Calibration laboratory for ozone measuring instruments

Calibration and Measurement Capability (CMC)

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty \pm ¹⁾	Remarks
Molar fraction of ozone in air	0-500 nmol/mol	Laboratory	Q[0.9, 0.023x(O ₃)]	Reference: Standard Reference Photometer
Molar fraction of ozone in air	0-500 nmol/mol	External	Q[1.5, 0.025x(O ₃)]	Reference: Traveling standard

Annotation:

- ¹⁾ The given expanded measurement uncertainty is the standard uncertainty of the measurement multiplied by a coverage factor $k = 2$, which corresponds to a confidence level of about 95% for a normal distribution.
In the CMCs uncertainty statements, the notation Q [a, b] stands for the root-sum-square of the terms between brackets: $Q [a, b] = [a^2 + b^2]^{1/2}$

In case of contradictions in the language versions of the directories, the German version shall apply.

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