Accredited
as CRM
Producer and
Calibration

aborator



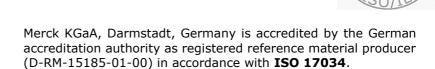
Specification – Certified Reference Material

Volumetric Standards

Accreditation:











Merck KGaA, Darmstadt, Germany – Calibration laboratory is accredited by the German accreditation authority as registered Calibration Laboratory (D-K-15185-01-00) according to **DIN EN ISO/IEC 17025**.

Description of CRM: Volumetric Standards

Certified Reference Materials for standardization of volumetric solutions

Storage: +15°C to +25°C tightly closed in the original container

Analyte	Expiry date	Specification as mass fraction	Associated uncertainty*, U=k·u (k=2)
Potassium hydrogen phthalate	5 years	≥ 99.80 %	0.07 %
Benzoic acid	5 years	≥ 99.80 %	0.08 %
Iron(II)ethylenediammonium sulfate	3 years	≥ 99.50 %	0.08 %
Potassium dichromate	5 years	≥ 99.90 %	0.07 %
Potassium iodate	5 years	≥ 99.70 %	0.07 %
Sodium carbonate	5 years	≥ 99.80 %	0.08 %
Sodium chloride	5 years	≥ 99.85 %	0.07 %
di-Sodium oxalate	5 years	≥ 99.70 %	0.08 %
Tris(hydroxymethyl) aminomethane	5 years	≥ 99.85 %	0.08 %
Zinc	5 years	≥ 99.90 %	0.07 %
Calcium carbonate	5 years	≥ 99.90 %	0.07 %

^{*}The uncertainty can vary depending on the primary reference material.

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Metrological traceability: Directly traceable to the corresponding / suitable primary standard NIST

SRM®

NIST: National Institute of Standards and Technology, Gaithersburg, USA.

Measurement method: The certified mass fraction was determined by potentiometric titration.

Intended use: These volumetric standards are intended for standardisation of volumetric

solutions in accordance / relation to the chapter reagents of the

Pharmacopoeia (Ph. Eur., USP where applicable).

For more detailed information please read the certification report on our website.

