

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

10303100 Ascorbic acid calcium

CA L-Ascorbic acid, calcium salt (2:1)

IUPAC Calcium ascorbate

Formula C₁₂H₁₄O₁₂Ca

Mol. Weight 390.31

CAS No. 5743-27-1

Expiry Date 01.08.2021

Lot Number 833464

Store at 20 °C ±4 °C

Please note: The expiry date is valid under recommended storage conditions only.

Toxicological Data



R Code

S Code

LD50 (Rats female/male in mg/kg) N/A

Physical Data

Phase crystalline solid

Color colourless

Melt. Range

Vapour pressure N/A at °C

Solubility in water N/A g/l at °C

Boiling Range (lit.)

Analytical Data

Detection:

Column:

Inj.-Vol.:

Flow:

Ret.-Time:

Method Details:

Identity: EA

Comment No chromatogram available.

Purity was determined by elemental analysis and titration of Ca²⁺.

Water Content

Determined by Karl-Fischer Titration

Det. Purity 91.0 %

Tolerance/Uncertainty +/- 2.0 %

The uncertainty/tolerance of this standard is calculated in accordance with the EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement - Second Edition. The uncertainty given is the expanded combined uncertainty and represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The expanded uncertainty is U which is $Uc(y) \cdot K$, where K is the coverage factor at the 95% confidence level (K=2). The expanded uncertainty is based on the combination of uncertainties associated with each individual operation involved in the preparation of this product.

Certified on 01.08.2018

by Dr. K. Wörmann

The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances and in form of single and multi-component solutions organic pure substances.

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The warranty for this product is limited to the purchasing price of this product.