

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

14582000 Lactic acid

CA Propanoic acid, 2-hydroxy-

IUPAC 2-Hydroxypropionic acid

Formula C₃H₆O₃

Mol.Weight 90.08

CAS No. 50-21-5

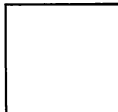
Expiry Date 22.08.2021

Lot Number 161926

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 35-38

S Code 25-36

LD50 (Rats female/male in mg/kg) 3543

Physical Data

Phase depending on storage Vapour pressure N/A at °C

Color colourless

Solubility in water N/A g/l at °C

Melt.Range

Boiling Range (lit.)

Analytical Data

Identity: EA

Comment No chromatogram available.

Purity was determined by titration.

Lactic acid forms an equilibrium with its estolides (polyesters).

Water Content Determined by Karl-Fischer Titration

Det. Purity 89.9 % 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 12.02.2018

by D. Schmid

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.

LGC Labor GmbH · Bgm.-Schlosser-Str. 6 A · 86199 Augsburg · Germany
Phone +49 821 906080 · Fax +49 821 9060888 · augsburg.inquiry@lgcgroup.com
The warranty for this product is limited to the purchasing price of this product.