

# Certificate of Analysis

Dr. Ehrenstorfer



## Product Identification

10933000 Cacodylic acid

CA Arsinic acid, As,As-dimethyl-

IUPAC Dimethylarsinic acid

Formula C<sub>2</sub>H<sub>7</sub>AsO<sub>2</sub>

Mol.Weight 138.0

CAS No. 75-60-5

## Reference Materials for Residue Analysis

Expiry Date 05.10.2023

Lot Number 155796

Store at 20 °C ±4 °C

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

## Toxicological Data



R Code 23/25-50/53

S Code 20/21-28-45-60-61

LD50 (Rats female/male in mg/kg) 644-700

## Physical Data

Phase crystalline solid

Color colourless

Melt.Range 194,6 °C

Vapour pressure NA at °C

Solubility in water 2000 g/l at 25 °C

Boiling Range (lit.)

## Analytical Data

Detection:

Column:

Inj.-Vol.:

Flow:

Ret.-Time:

Method Details:

Identity: NMR, EA, IR

Comment Purity was confirmed by titration with 0.1n NaOH.  
No chromatogram available.

Water Content 27.1 % Determined by Karl-Fischer Titration

Det. Purity 99.2 % 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  $U_c(y) \cdot K$ , 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 05.10.2017

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.

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.