

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

15711030 1,8-Octanedicarboxylic acid,bis-methyl ester
CA Decanedioic acid,1,10-dimethyl ester
IUPAC 1,8-Octanedicarboxylic acid-bis-methyl ester
Formula C₁₂H₂₂O₄
Mol.Weight 230.31
CAS No. 106-79-6

Reference Materials for Residue Analysis

Expiry Date 07.08.2022
Lot Number 136252
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 depending on storage Vapour pressure NA at °C
Color colourless Solubility in water NA g/l at °C
Melt.Range Boiling Range (lit.)

Analytical Data

Detection: GC/FID
Column: DB-5, 30 m, ID 0.25 mm
Inj.-Vol.: 1.00 µl
Flow: 1.0 ml/min
Ret.-Time: 10.00 min.

Method Details:
Injector: 320° C
Start Temperature: 120° C for 4 min
End Temperature: 320° C for 3 min
Gradient: 15° C/min

Identity: RT, MS, IR, NMR
Comment

Water Content 0.0 % Determined by Karl-Fischer Titration
Det. Purity 99.9 % Tolerance/Uncertainty +/- 1.0 %

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 07.08.2017
by N. Müller

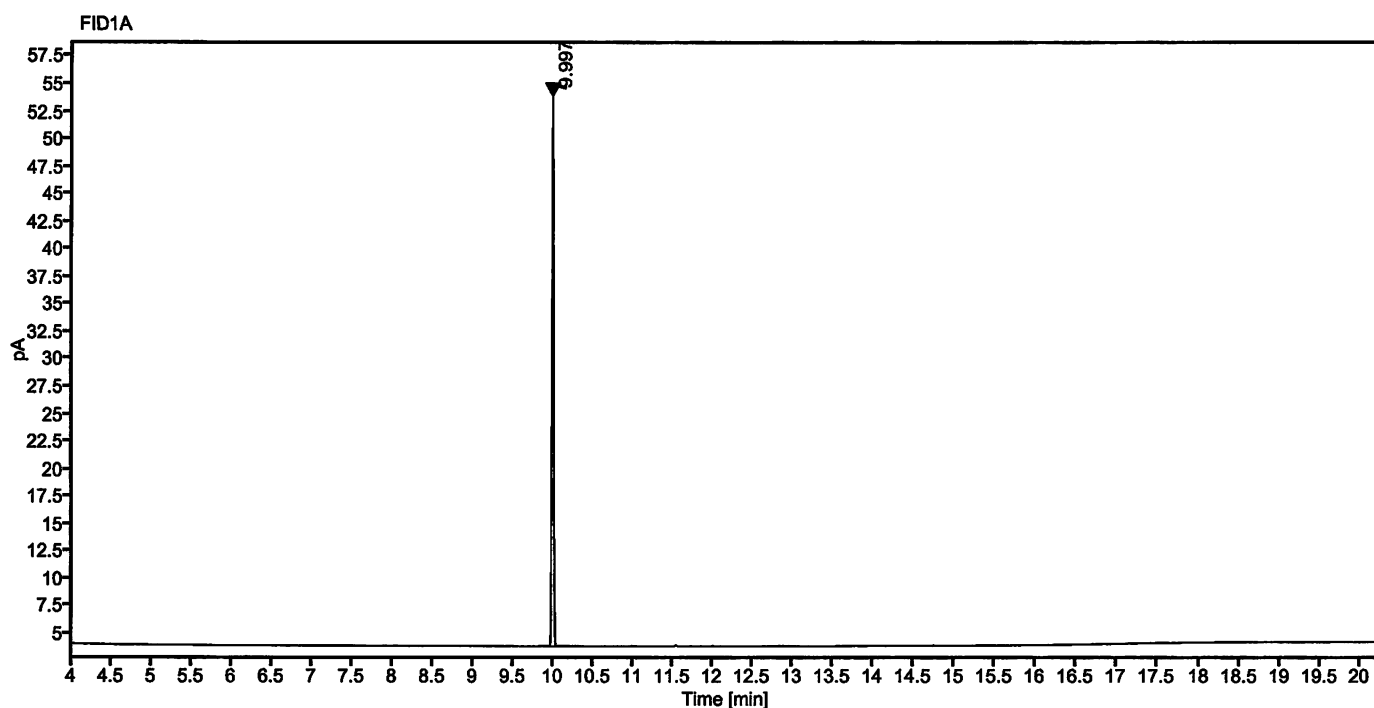
The Laboratory LGC Labor GmbH is accredited by DAkKS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances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

Handwritten mark

Data file: 15711030-17-r002.dx Instrument: FID 1
Sample name: 70421AL 136252 Sequence Name: 2017KW17-2b
Inj. volume [µl]: 1.0 Injection date: 4/26/2017 2:01:56 AM
Acq. method: PAHK.amx Location: 18

Sample Description 1,8-Octanedicarboxylic acid,bis-methyl ester



Signal: FID1A

Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]
1	9.997	70.54779	49.98	100.00	0.158
	Sum	70.55			

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