

Certificate of Analysis



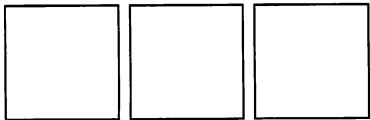
EHRENSTORFER™

Product Identification

10046025 Adipic acid, bis(2-methylpropyl) ester
CA Hexanedioic acid, 1,6-bis(2-methylpropyl) ester
IUPAC
Formula C₁₄H₂₆O₄
Mol.Weight 258.35
CAS No. 141-04-8

Expiry Date 21.03.2024
Lot Number 161661
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)	Physical Data Phase liquid Color colourless 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: 15.83 min. Method Details: Injector: 280° C Start Temperature: 60° C for 5 min End Temperature: 280° C for 1 min Gradient: 15° C/min	
Identity: MS, RT, NMR, EA, IR Comment	
Water Content 0.2 % Determined by Karl-Fischer Titration Det. Purity 99.8 % Tolerance/Uncertainty +/- 1.0 % <p>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.</p>	

Certified on 21.03.2018

by D. Schmid

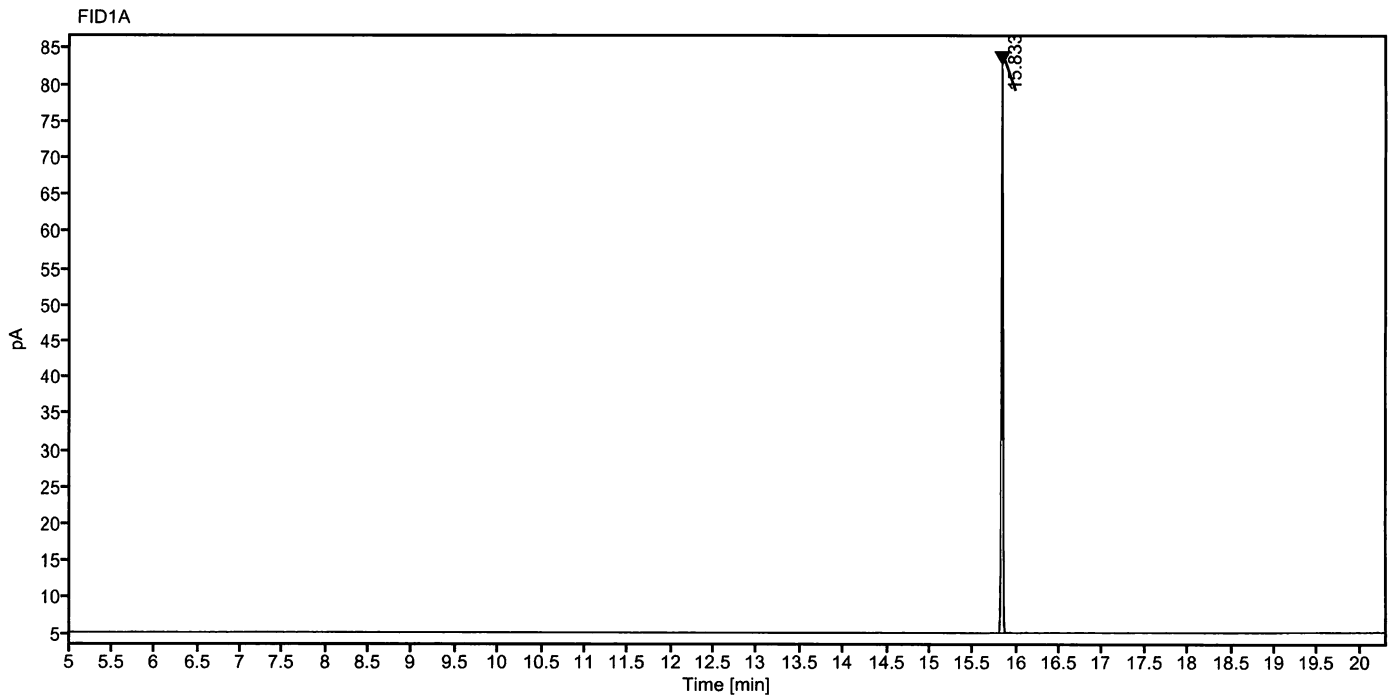
Schmid D.

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.

Data file: 10046025-10-r001.dx **Instrument:** FID 3
Sample name: 80130AL 161661 **Sequence Name:** 2018KW05-3a
Inj. volume [µl]: 1.0 **Injection date:** 1/31/2018 8:07:11 PM
Acq. method: PESK.amx **Location:** 15

Sample Description Adipic acid, bis(2-methylpropyl) ester



Signal: FID1A

Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]	S/N
1	15.83	102.30799	77.60	100.00	0.093	2998.7
	Sum	102.31				

Schmid D.