

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

14396000 Isobutyric acid-methyl ester
CA Propanoic acid, 2-methyl-, methyl ester
IUPAC Methyl 2-methylpropionate
Formula C₅H₁₀O₂
Mol.Weight 102.13
CAS No. 547-63-7

Expiry Date 26.02.2024

Lot Number 166881

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 11-20

S Code 16

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

Physical Data

Phase liquid

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: GC/FID

Column: DB-5, 30 m, ID 0.25 mm

Inj.-Vol.: 1.00 µl

Flow: 1.0 ml/min

Ret.-Time: 4.90 min.

Method Details:

Injector: 100° C

Start Temperature: 40° C for 5 min

End Temperature: 100° C for 2 min

Gradient: 15° C/min

Identity: RT, MS, EA, NMR

Comment

Water Content

Determined by Karl-Fischer Titration

Det. Purity 99.4 %

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 26.02.2018

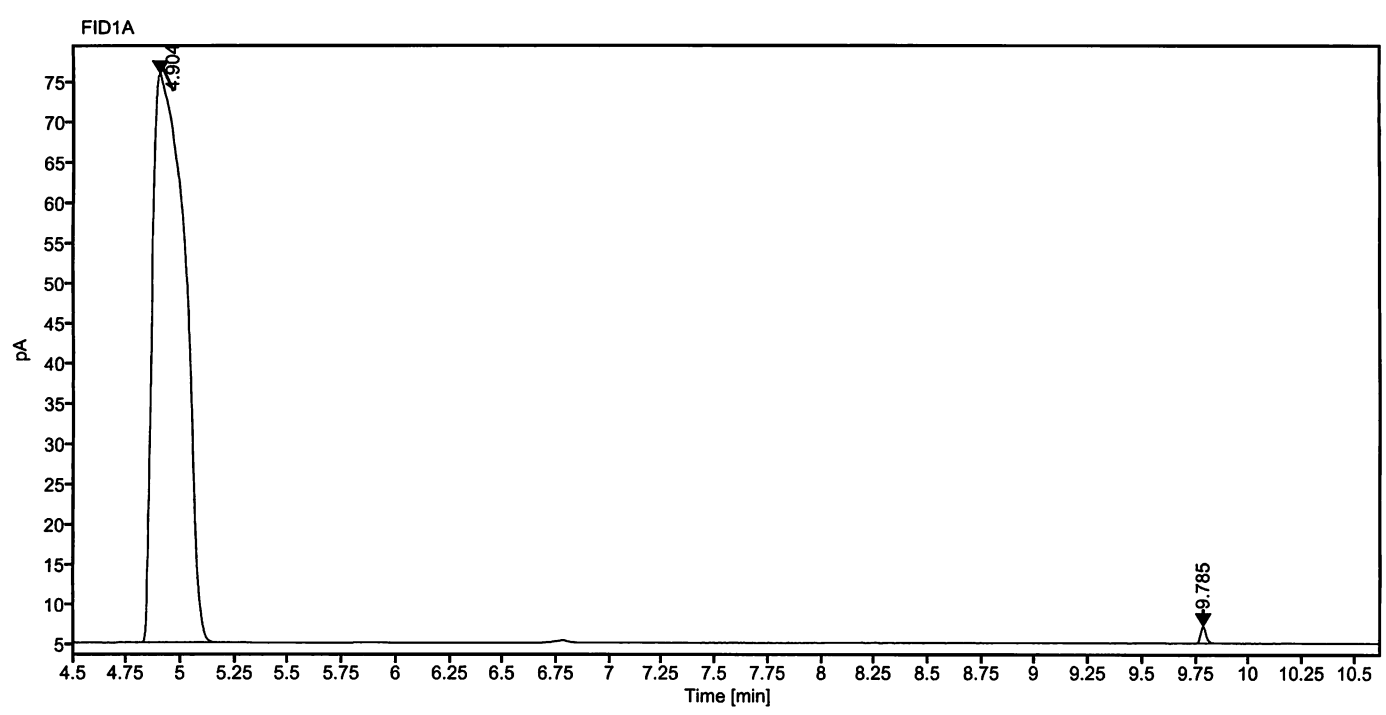
by M. Beck

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: 14396000-10-r001.dx **Instrument:** FID 2
Sample name: 80221ME 166881 **Sequence Name:** 2018KW08-4b
Inj. volume [µl]: 1.0 **Injection date:** 2/22/2018 6:30:53 PM
Acq. method: 100.amx **Location:** 11

Sample Description Isobutyric acid-methyl ester



Signal:		FID1A				
Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]	
1	4.90	724.95646	70.68	99.49	0.135	
2	9.78	3.71847	2.10	0.51	0.028	
Sum		728.67				

f.l. Bel