

# Certificate of Analysis

Dr. Ehrenstorfer



## Product Identification

10015710 Acetic acid-sec.-butyl ester  
CA Acetic acid, 1-methylpropyl ester  
IUPAC Acetic acid-sec.-butyl ester  
Formula C<sub>6</sub>H<sub>12</sub>O<sub>2</sub>  
Mol.Weight 116.16  
CAS No. 105-46-4

## Reference Materials for Residue Analysis

Expiry Date 18.08.2023  
Lot Number 142879  
Store at 20 °C ±4 °C

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

## Toxicological Data



R Code 11

S Code 16

LD50 (Rats female/male in mg/kg) 3200

## 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: 6.42 min.

Method Details:

Injector: 200° C

Start Temperature: 40° C for 5 min

End Temperature: 200° C for 16 min

Gradient: 15° C/min

Identity: RT, MS, NMR, EA

Comment

Water Content 0.3 % Determined by Karl-Fischer Titration

Det. Purity 99.4 % Tolerance/Uncertainty +/- 0.5 %

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 18.08.2017

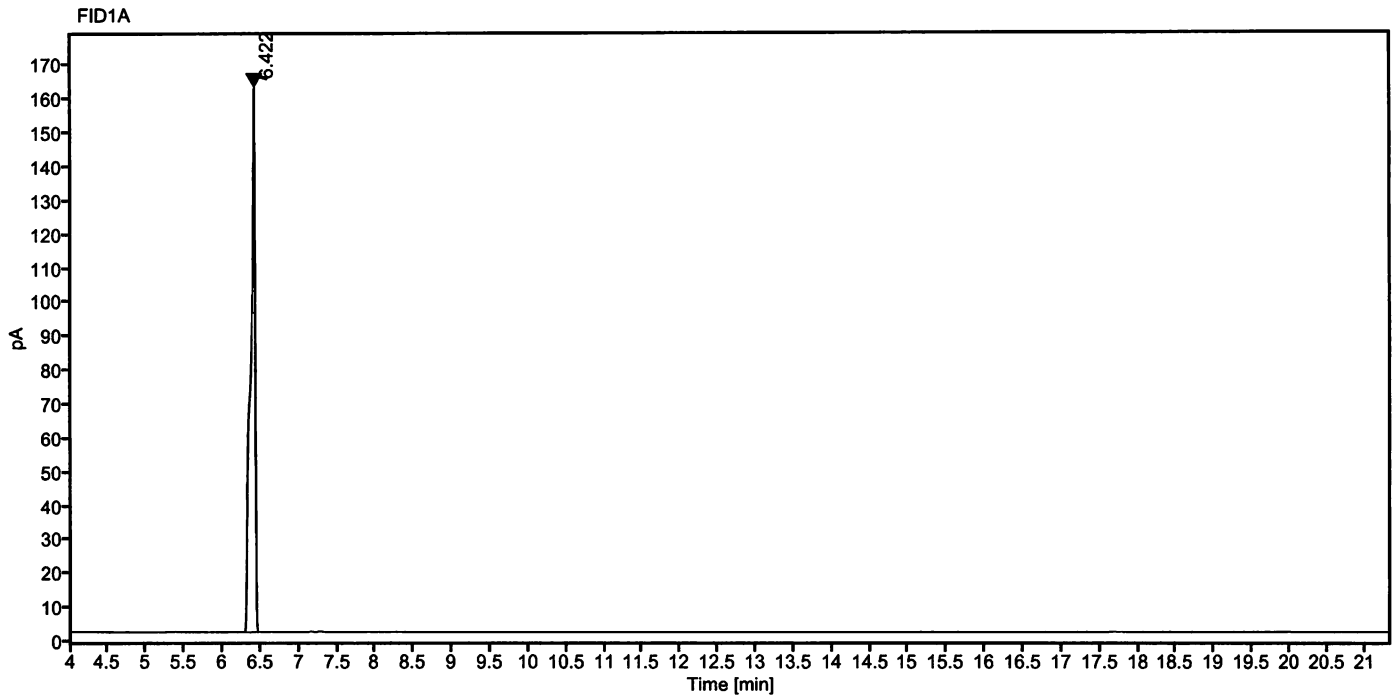
by M. Beck

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.

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.

**Data file:** 10015710-06-r001.dx **Instrument:** FID 1  
**Sample name:** 70802AL 142879 **Sequence Name:** 2017KW31-5  
**Inj. volume [µl]:** 1.0 **Injection date:** 8/5/2017 4:01:43 AM  
**Acq. method:** 200.amx **Location:** 30

**Sample Description** Acetic acid-sec.-butyl ester



Signal: FID1A

Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]
1	6.422	634.71183	160.71	100.00	0.346
	Sum	634.71			

*A. Ber*