

# Certificate of Analysis

**EHRENSTORFER™**

## Product Identification

15843200 Palmitoleic acid

CA 9-Hexadecenoic acid, (9Z)-

IUPAC (9Z)-Hexadecenoic acid

Formula C16H30O2

Mol.Weight 254.42

CAS No. 373-49-9

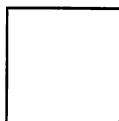
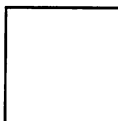
Expiry Date 17.07.2022

Lot Number 169925

Store at 4 °C ±4 °C

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

## Toxicological Data



R Code 36/37/38

S Code 22-25

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

## Physical Data

Phase liquid

Color colourless

Melt.Range

Vapour pressure NA at °C

Solubility in water NA 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: 12.56 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: IR, MS, RT, EA, NMR

Comment Purity was determined by chromatographic assay corrected by water and/or residue solvents.

Water Content 0.0 % Determined by Karl-Fischer Titration

Det. Purity 99.8 % 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  $Uc(y)*K$ , 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 17.07.2018

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.

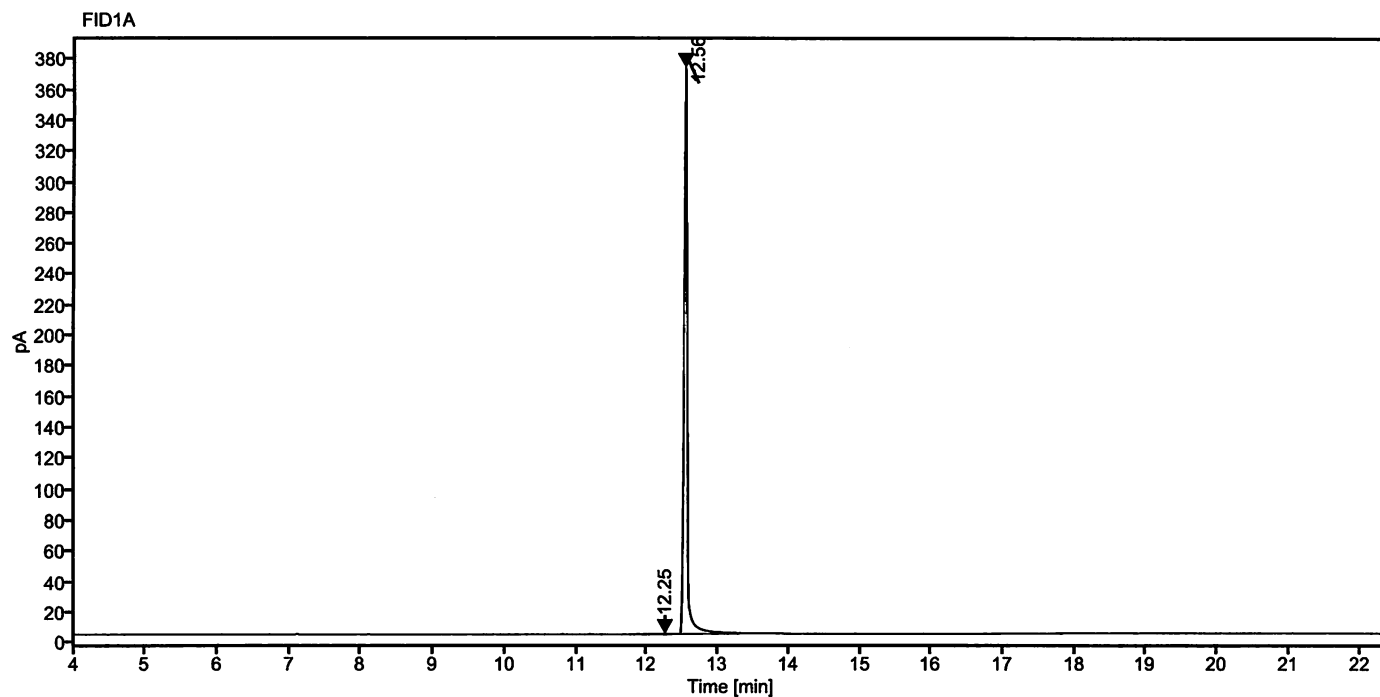
LGC Labor GmbH · Bgm.-Schlosser-Str. 6 A · 86199 Augsburg · Germany  
Phone +49 821 906080 · Fax +49 821 9060888 · augsburg.inquiry@lgcgroup.com  
The warranty for this product is limited to the purchasing price of this product.

16371

Data file: 15843200-28-r001.dx  
Sample name: 80702CY 169925  
Inj. volume [µl]: 1.0  
Acq. method: PAHK.amx

Instrument: FID 3  
Sequence Name: 2018KW27-FID3-0703  
Injection date: 7/4/2018 4:09:27 AM  
Location: 26

Sample Description Palmitoleic acid



Signal: FID1A

Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]
1	12.25	1.19665	0.78	0.10	0.115
2	12.56	1146.98251	369.53	99.90	1.157
	Sum	1148.18			