

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

16086000 Phorate-oxon-sulfoxide

CA Phosphorothioic acid O,O-diethyl S-[(ethylsulfanyl)methyl] ester

IUPAC

Formula C₇H₁₇O₄PS₂

Mol.Weight 260.31

CAS No. 2588-05-8

Expiry Date 15.11.2022

Lot Number 993494

Store at -18 °C ±4 °C

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

Toxicological Data



R Code 27/28-53

S Code 26-28-36-45-46-61

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: HPLC/DAD

Column: ReproSil 100 C18 5µ 250x3

Inj.-Vol.: 10.00 µl

Flow: 1.0 ml/min

Ret.-Time: 14.80 min.

Method Details:

Eluent A: Acetonitrile:H₂O+0,5% H₃PO₄ 1:9 for 1 min

Eluent B: Acetonitrile 100% for 5 min

Eluent A -> Eluent B: 19 min

Identity: UV, RT, MS, IR, NMR, EA

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

Water Content 0.3 % Determined by Karl-Fischer Titration

Det. Purity 98.0 % 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 $U_c(y) \cdot K$, 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 15.11.2018

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.

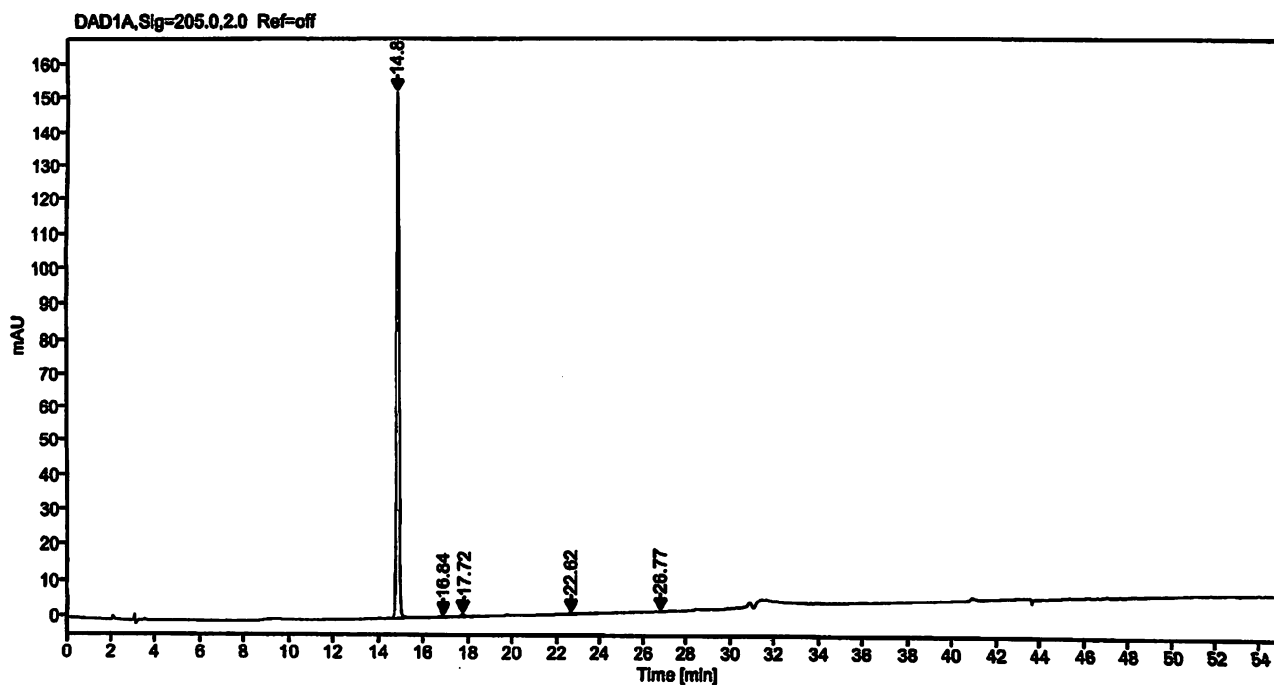
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The warranty for this product is limited to the purchasing price of this product.

14.11.2018, SC

Data file: 16086000-05-r001.dx
Inj. volume [µl]: 10.0
Acq. method: Gradient_10-100_P.amx

Instrument: DAD4
Sequence Name: 06112018-1
Injection date: 11/6/2018 8:02:22 PM
Location: 14

Sample Description Phorate-oxon-sulfoxide



Signal: DAD1A, Sig=205.0,2.0 Ref=off

Nr.	RT [min]	Area	Height	Area%
1	14.80	984.24234	152.57	98.44
2	16.84	3.14353	0.38	0.31
3	17.72	6.30728	0.84	0.63
4	22.62	4.56589	0.47	0.46
5	26.77	1.53162	0.17	0.15
Sum		999.79		

A. Berh