Certificate of Analysis

Dr. Ehrenstorfer

Reference Materials for Residue Analysis

Product Identification

17522000 Thiometon-sulfoxide

CA Phosphorodithioic acid, S-[2-(ethylsulfinyl)ethyl] O,O-dimethyl ester

IUPAC S-[2-(Ethylsulfinyl)ethyl]phosphorodithioic acid O,O-dimethylester

Formula C6H15O3PS3

Mol.Weight 262.34

CAS No. 2703-37-9

Expiry Date 24.12.2015

Lot Number 50624

Store at -18 °C ±4 °C

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

Toxicological Data

R Code 26/27/28-51/53

S Code 13-28-45-61

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

Physical Data

Phase liquid

Color yellowish

Melt.Range

Vapour pressure 23 mPa at 20 °C

Solubility in w ater 0.2 g/l at 25 °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: **1,28 min.**

Method Details:

Acetonitrile:H2O 4:1

Identity: UV, RT

Comment Short expiry, for immediate use only.
No chromatogram available.

Water Content 0,0 % Determined by Karl-Fischer Titration

Det. Purity 97,0 % Tolerance/Uncertainty +/- 1,0 %

The uncertainty/tolerance of this standard is calculated in accordance w ith 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 w hich is Uc(y)*K, w here K is the coverage factor at the 95% confidence level (K=2). The expanded uncertainty is based on the combination of uncertainties associated w ith each individual operation involved in the preparation of this product.

Certified on 31.08.2015

by N. Müller

The Laboratory LGC Labor GmbH is accreditated 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