Certificate of Analysis

LGC | DR EHRENSTORFER™

Product Identification

15030100 Methomyl D3

CA Ethanimidothioic acid, N-[[(methyl-D3-amino)carbonyl]oxy]-, methyl ester

IUPAC S-Methyl N-(methyl-D3-carbamoyloxy)thioacetimidate

Formula $C_5H_7N_2O_2SD_3$

Mol.Weight 165.21

CAS No. 1398109-07-3

Expiry Date 04.06.2024

Lot Number 170375

Store at 20 °C ±4 °C

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

Toxicological Data

R Code 28-50/53

S Code 22-36/37-45-60-61

LD50 (Rats female/male in mg/kg) 17-24

Physical Data

Phase	crystalline solid	Vapour pressure 6.65 mPa at 25 °C
Color	colourless	Solubility in water 58 g/l at 25 °C
Melt.Range	78.8 °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:	**5.47 min.**

Method Details:

Eluent A: Acetonitrile:H2O 1:9 for 1 min
Eluent B: Acetonitrile 100% for 5 min
Eluent A -> Eluent B: 19 min

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

Comment Isotopic purity 99.8%. Chemical purity 98.7%

Water Content 0.1 % Determined by Karl-Fischer Titration

Det. Purity 98.5 % 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 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 04.06.2018

by M. Beck

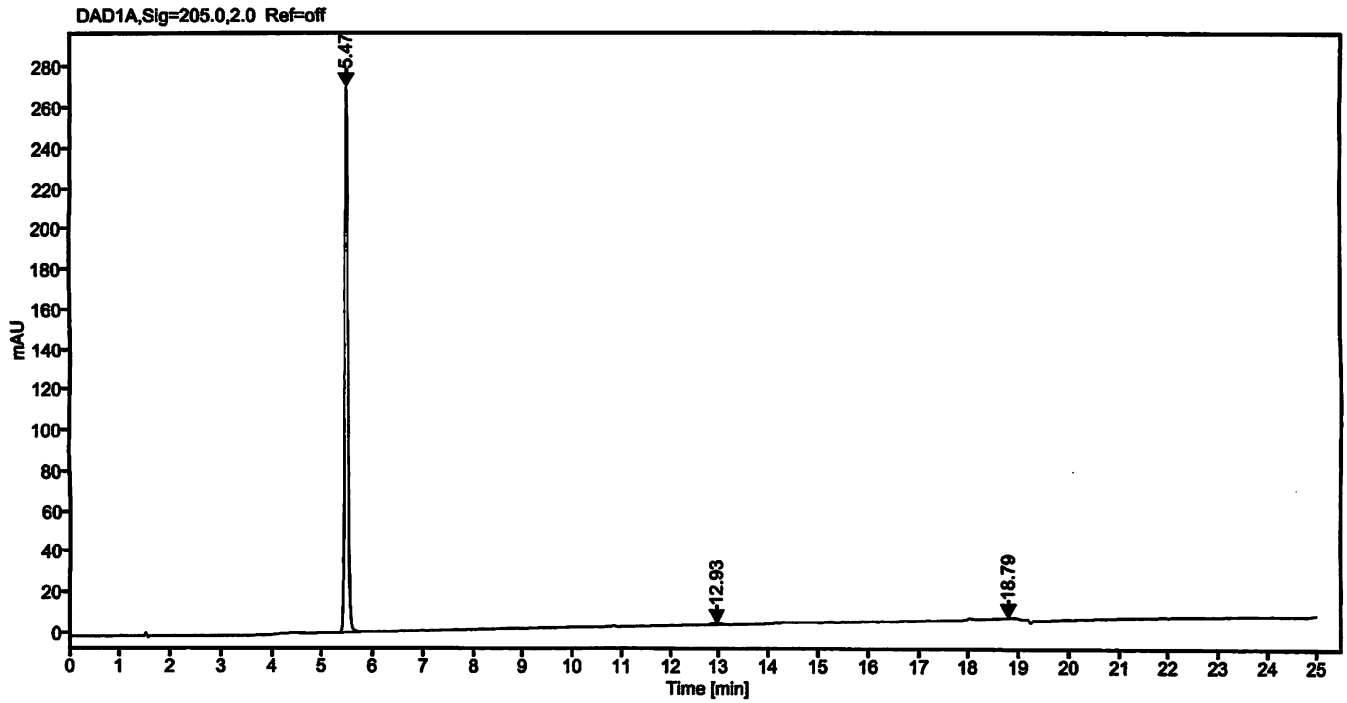
The Laboratory LGC Labor GmbH is accreditated by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances 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
The warranty for this product is limited to the purchasing price of this product.

30.05.18 Sch

Data file:	15030100-03-r001.dx	**Instrument:**	DAD3
Sample name:	80307CY 170375	**Sequence Name:**	04052018-1b
Inj. volume [µl]:	10.0	**Injection date:**	5/5/2018 1:02:20 AM
Acq. method:	Gradient_10-100_K.amx	**Location:**	59

Sample Description Methomyl D3



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

Nr.	RT [min]	Area	Height	Area%
1	5.47	1125.56654	270.60	99.03
2	12.93	10.11825	0.73	0.89
3	18.79	0.94259	0.23	0.08
	Sum	1136.63		