

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

15020515 Methiocarb-sulfone D3 (N-methyl D3)

CA

IUPAC

Formula C₁₁D₃H₁₂NO₄S

Mol.Weight 260.3

CAS No. N/A

Expiry Date 27.02.2022

Lot Number 139016

Store at 20 °C ±4 °C

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

Toxicological Data



R Code

S Code

LD₅₀ (Rats female/male in mg/kg)

Physical Data

Phase crystalline solid

Color white

Melt.Range

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: 2.24 min.

Method Details:

Eluent A: Acetonitrile:H₂O 2:3 for 1 minEluent B: Acetonitrile:H₂O 9:1 for 5 min

Eluent A -> Eluent B: 16 min

Identity: RT, UV, MS, NMR, EA

Comment Chemical purity: 98.4%

Isotopic purity: 99.9%

Substance may decompose during GC analysis.

Water Content 0.0 % Determined by Karl-Fischer Titration

Det. Purity 98.4 % 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 $U_c(y) \cdot K$, 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 27.02.2018

by M. Beck

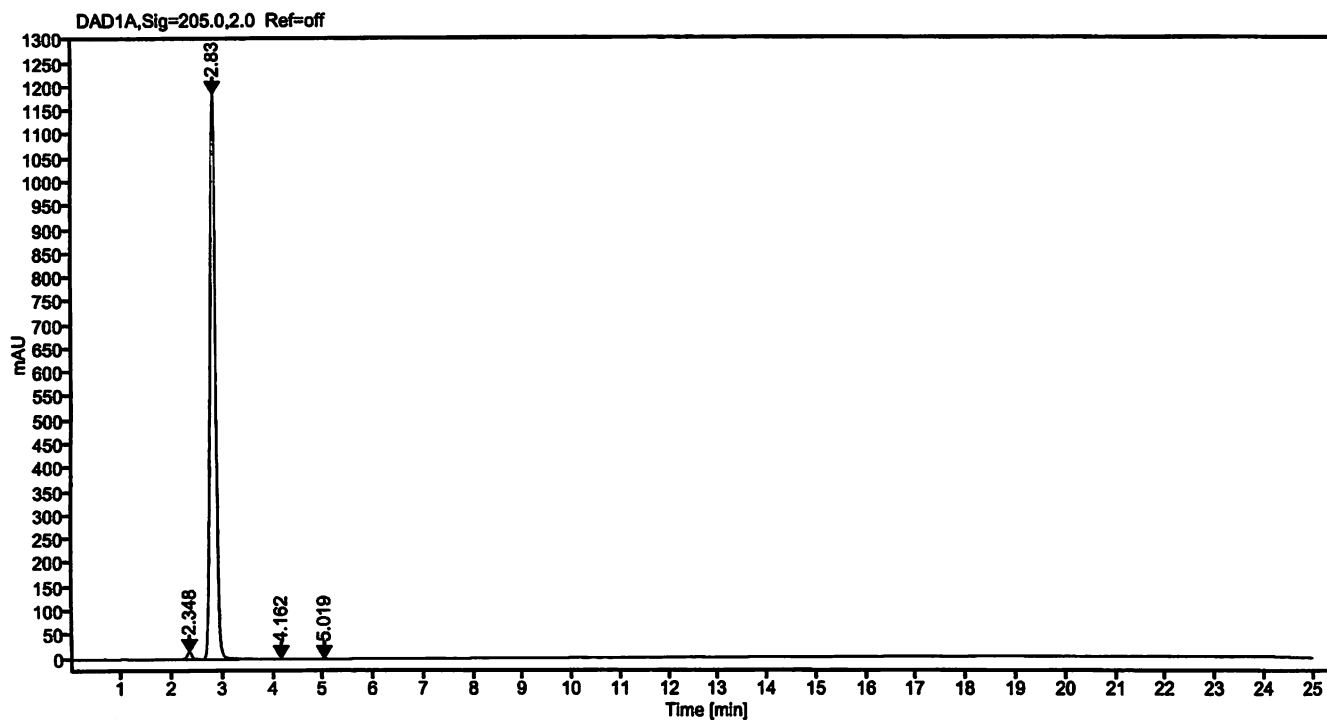
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances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

28042017-2

Data file: 15020515-02-r001.dx Instrument: DAD3
Sample name: 70427AL 139016 Sequence Name: 27042017-2
Inj. volume [µl]: 10.0 Injection date: 4/27/2017 2:50:59 PM
Acq. method: PAHK1.amx Location: 23

Sample Description Methiocarb-sulfone D3 (N-methyl D3)



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

| Nr. | RT [min] | Area | Height | Area% |
|-----|-------------|------------|---------|-------|
| 1 | 2.348 | 106.82932 | 14.87 | 1.18 |
| 2 | 2.830 | 8963.23834 | 1185.83 | 98.79 |
| 3 | 4.162 | 1.13702 | 0.15 | 0.01 |
| 4 | 5.019 | 1.52897 | 0.24 | 0.02 |
| Sum | | 9072.73 | | |

A. Ber