## **Gravimetric Certificate**

ISO 17034 Certified Reference Material

**Product Identification** 

Article Code: DRE-L12603500AL Article Name: Diethofencarb Formula: C14H21NO4

Mol. Weight: 267.33 CAS No.: 87130-20-9 DR EHRENSTORFER\*

Lot Number: **Expiry Date:** 

H996194AL 11.01.2022 20°C ± 4°C

Storage Temperature:

Storage and handling: The CRM should be stored in the original sealed bottle at the temperature given above. After use the bottle should be tightly closed and protected from moisture and light. The expiry date is valid for original sealed bottles under recommended storage conditions only.

Compound Name: . Diethofencarb

Lot. No.:

Purity: 99.2 %

Weight:

10.081 mg

**Batch Solvent:** 

Solvent Lot:

Batch size:

1000.00 ml

Concentration:

10.00 mg/l

Expanded Uncertainty U:

0.21 mg/l

The uncertainty of this standard is calculated in accordance with the ISO 17034 and EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement, Second Edition. The expanded uncertainty is U(exp) = u(CRM) x k, where k is the coverage factor at the 95% confidence level (k=2). Uncertainty u(CRM) is based on the combination of the uncertainties associated with each individual operation involved in the analysis of the product: u(CRM) = vu(char) + vu(ts) + vu(ts)

Method Details

test short-term. u(its) and u(sts) are not included in the calculation as the stability statement is based on real evidence opposed to simulation.

Minimum sample: 1 ml is recommended as the minimal sample amount. If less material is used, it is recommended to increase the certified uncertainty by a factor of two for half sample and a factor of four for a guarter of sample.

Intended use: Use this CRM as calibrant for chromatography or any other analytical technique.

Analytical Data

Traceability of chromatography: To the International System of Units (SI). HPLC/DAD

Instrument Detection:

ReproSil 100 C18 5 µm 250 x 3 mm Column: Inj.-Vol.:

1.0 ml/min Flow: Ret.Time 1.88 min

Traceability: The balances used are calibrated with weights traceable to the national standards (DKD). Calibrated class A glassware is used for volumetric measurements.

Attachment: Exemplary chromatogram of given method

Certificate Revision 1 - 11.01.2019 - M. Beck

Certified on:

11.01.2019

M. Beck RM Release

The LGC Labor GmbH, accreditated by DAkkS as indicated by the accreditation number D-RM-19883-01 & D-PL-19883-01. has shown competence based on ISO 17034:2017 with relevant parts of DIN EN ISO/IEC 17025:2018 for production of certified reference materials in form of organic pure substances and in form of single and multi-component solutions of organic pure substances. ions of organic pure substances. Data file:

12603500-37.dx

Sample name: Inj. volume [µl]:

Acq. method:

H996194AL

40.0

10.0

41K.amx

Instrument:

DAD3

Sequence Name:

02012019-2

Injection date:

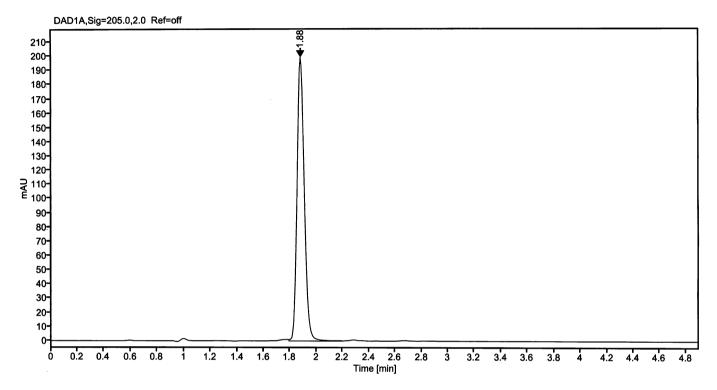
1/3/2019 8:42:16 AM

Location:

69

**Sample Description** 

Diethofencarb



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

 Nr.
 RT [min]
 Area
 Height
 Area%

 1
 1.88
 761.54544
 199.19
 100.00

 Sum
 761.55

J. Beel