

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

12260100 Dicamba D3 (methoxy D3)

CA Benzoic acid, 3,6-dichloro-2-methoxy (D3)

IUPAC 3,6-dichloro-o-anisic acid

Formula C₈D₃H₃Cl₂O₃

Mol.Weight 224.04

CAS No. 349553-95-3

Expiry Date 18.06.2024

Lot Number 737807

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 22-53

S Code 60-61

LD50 (Rats female/male in mg/kg) 1707

Physical Data

Phase crystalline solid

Color colourless

Melt.Range 113.5 °C

Vapour pressure 4.5 mPa at 25 °C

Solubility in water 6.5 g/l at 25 °C

Boiling Range (lit.)

Analytical Data

Detection: UHPLC/DAD

Column: LUNA Omega C18 1.6 µm 100 x 2.1 mm

Inj.-Vol.: 2.00 µl

Flow: 0.5 ml/min

Ret.-Time: 4.08 min.

Method Details:

Eluent A: WA + 0.5% H₃PO₄

Eluent B: Acetonitrile

Time/min	A	B
0	90%	10%
0.3	90%	10%
8	0%	100%
9.5	0%	100%
10	90%	10%

Identity: RT, UV, MS, EA, NMR

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

Chemical purity: 99.7%

Isotopic purity: 99.6%

Colour of the lot is light amber due to unknown impurities.

Water Content 0.2 % Determined by Karl-Fischer Titration

Det. Purity 99.3 % 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)*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 18.06.2018

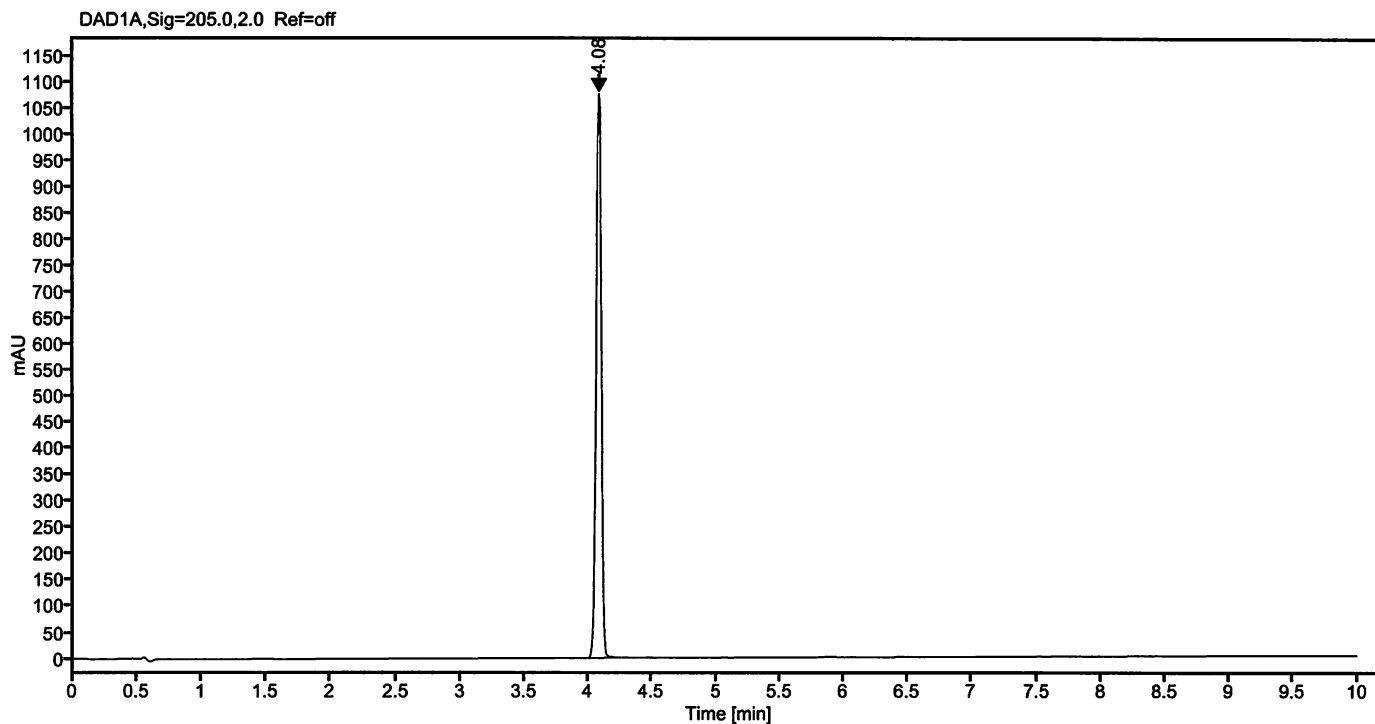
by M. Beck

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.

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MG

Data file: 12260100-09-r001.dx **Instrument:** UHPLC 2
Sample name: 80607AL 737807 **Sequence Name:** 08062018-1a
Inj. volume [µl]: 2.0 **Injection date:** 6/8/2018 5:08:51 PM
Acq. method: Gradient_10-100_P.amx **Location:** P2-A5
Sample Description Dicamba D3 (methoxy D3)



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

Nr.	RT [min]	Area	Height	Area%
1	4.08	3127.59765	1078.99	100.00
Sum		3127.60		

J. Bar