

Certificate of Analysis



Product Identification

12972219 Disperse Red 9

CA 9,10-Anthracenedione, 1-(methylamino)-
IUPAC

Formula C₁₅H₁₁NO₂

Mol.Weight 237.25

CAS No. 82-38-2

Expiry Date 23.08.2021

Lot Number 833590

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 red

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: **16.35 min.**

Method Details:

Eluent A: Acetonitrile:H₂O+0,5% H₃PO₄ 1:9 for 1 min

Eluent B: Acetonitrile 100% for 5 min

Eluent A -> Eluent B: 19 min

Identity: UV, RT, MS, EA, NMR

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

Water Content 0.0 % Determined by Karl-Fischer Titration

Det. Purity 99.6 % 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 $U_c(y) \cdot K$, 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 23.08.2018

by M. Beck

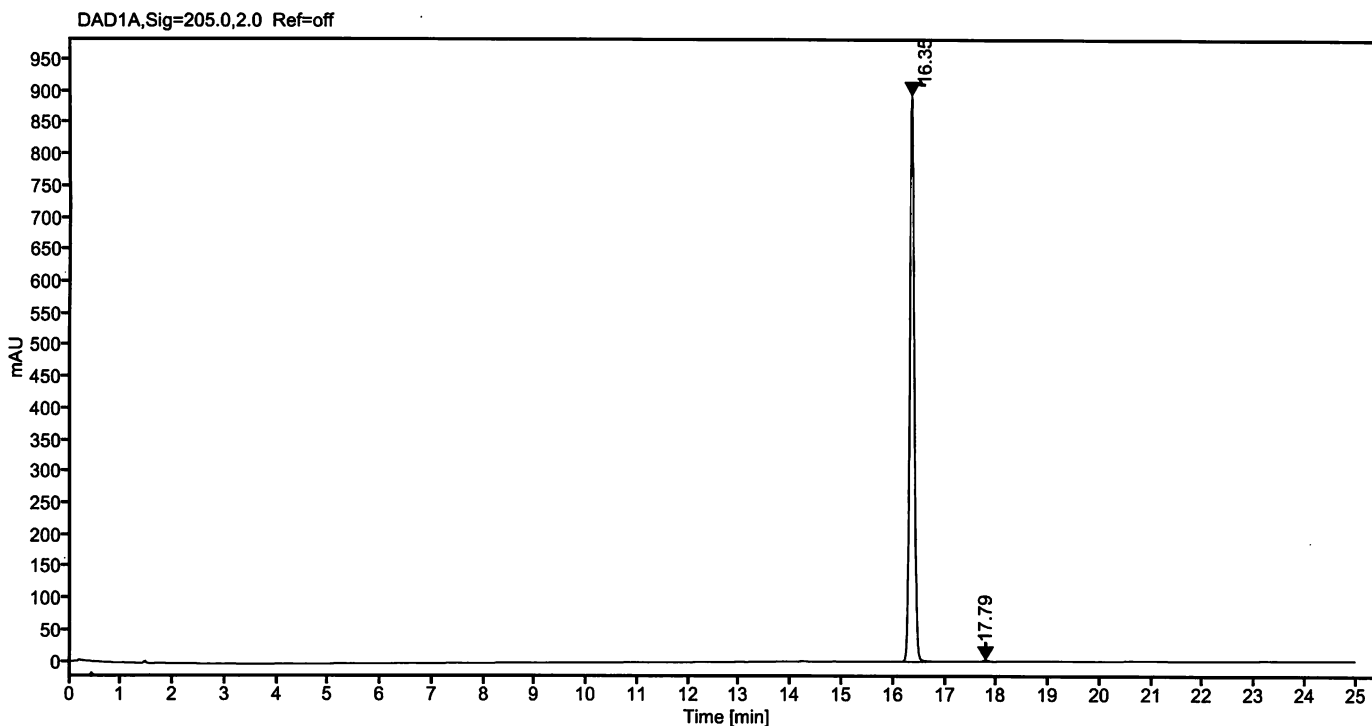
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances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

22.08.18
MG

Data file: 12972219-15-r001.dx **Instrument:** DAD3
Sample name: 80820AL 833590 **Sequence Name:** 20082018-1
Inj. volume [µl]: 10.0 **Injection date:** 8/20/2018 8:22:32 PM
Acq. method: Gradient_10-100_PK.amx **Location:** 50

Sample Description Disperse Red 9



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

Nr.	RT [min]	Area	Height	Area%
1	16.35	5358.11175	893.75	99.69
2	17.79	16.85966	2.71	0.31
	Sum	5374.97		