

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

20538200 Benz[c]acridine

CA Benz[c]acridine

IUPAC Benz[c]acridine

Formula C₁₇H₁₁N

Mol.Weight 229.3

CAS No. 225-51-4

Expiry Date 17.08.2024

Lot Number 833595

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) N/A

Physical Data

Phase: crystalline solid

Color: yellowish

Melt.Range

Vapour pressure N/A at °C

Solubility in water N/A g/l at °C

Boiling Range (lit.)

Analytical Data

Detection: GC/FID

Column: DB-5, 30 m, ID 0.25 mm

Inj.-Vol.: 1.00 µl

Flow: 1.0 ml/min

Ret.-Time: 30.56 min.

Method Details:

Injector: 320° C

Start Temperature: 120° C for 4 min

End Temperature: 320° C for 8 min

Gradient: 5° C/min

Identity: RT, MS

Comment Purity was determined by chromatographic assay corrected by water.

Water Content

Determined by Karl-Fischer Titration

Det. Purity 99.9 %

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 $Uc(y) \cdot K$, 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 17.08.2018

by N. Müller

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.

170815

Data file: 20538200-17-r001.dx

Instrument: FID 3

Sample name: 80806CY 833595

Sequence Name: 2018KW32-0807b

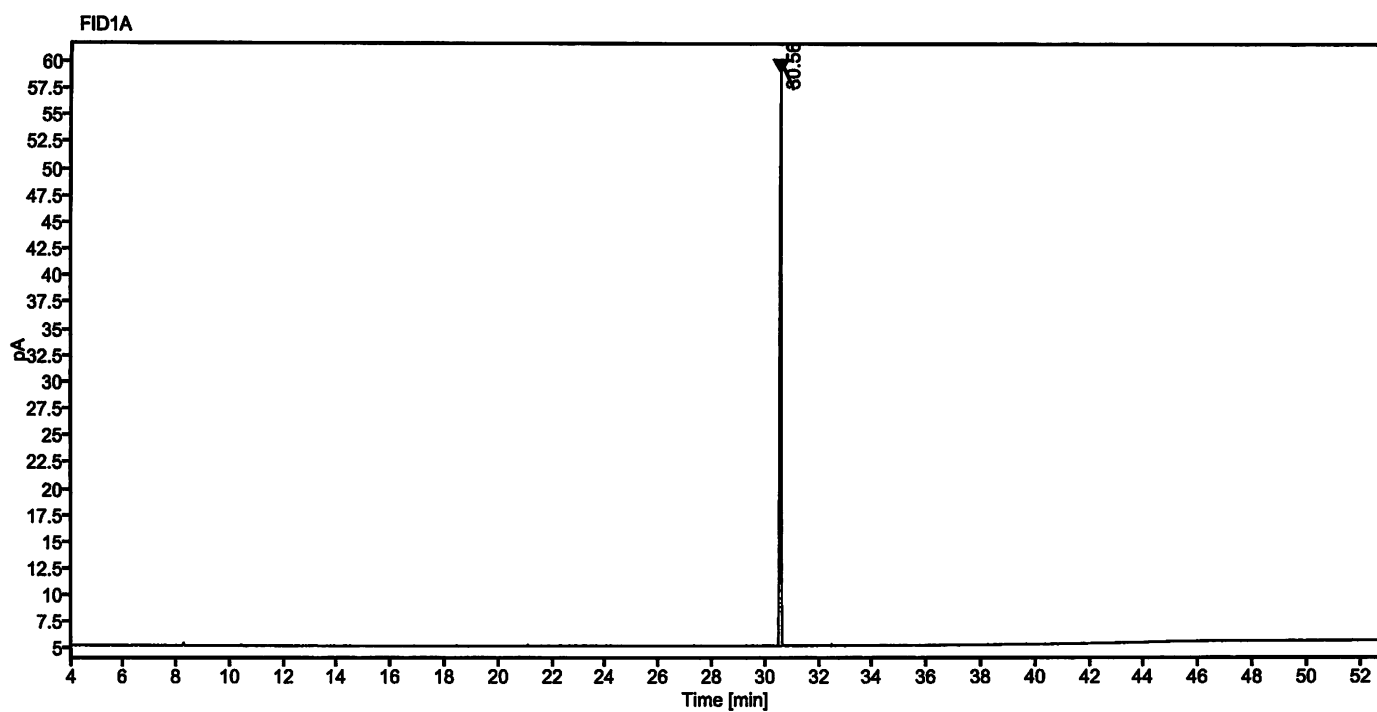
Inj. volume [μ l]: 1.0

Injection date: 8/8/2018 8:49:34 AM

Acq. method: pah.amx

Location: 104

Sample Description Benz[c]acridine



Signal: FID1A

Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]
1	30.56	181.81726	53.74	100.00	0.281
	Sum	181.82			

Handwritten signature or initials.