

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

10424500 Basic Green 1

CA Ammonium, [4-[p- (diethylamino)-.alpha.-phenylbenzylidene]-2, 5-cyclohexadien-1-

IUPAC N-[4-[[4-(Diethylamino)phenyl]phenyl(methylene)-2,5-cyclohexadien-1-ylidene]-N-ethyl sulfate

Formula C₂₇H₃₄N₂O₄S

Mol.Weight 482.63

CAS No. 633-03-4

Expiry Date 11.04.2024

Lot Number 173354

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 22-36

S Code 25

LD50 (Rats female/male in mg/kg) 313

Physical Data

Phase crystalline solid

Vapour pressure N/A at °C

Color green-blueish

Solubility in water 100 g/l at 25 °C

Melt.Range

Boiling Range (lit.)

Analytical Data

Detection: HPLC/DAD

Method Details:

Column:

Inj.-Vol.: 10.00 µl

Flow: 0.5 ml/min

Ret.-Time: 11.99 min.

Identity: UV, RT, MS, EA, NMR

Comment 52.5% Acetonitrile + 47.5% Ammoniumacetate (7.7 g) and p-Toloulsulfonic acid x H₂O (0.95 g) in 1 L Water (pH 4.5 with Acetic acid)

Column: YMC-Pack ODS-AQ 3 µm 150 x 3 mm

Water Content 2.5 % Determined by Karl-Fischer Titration

Det. Purity 95.9 % 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 11.04.2018

by M. Beck

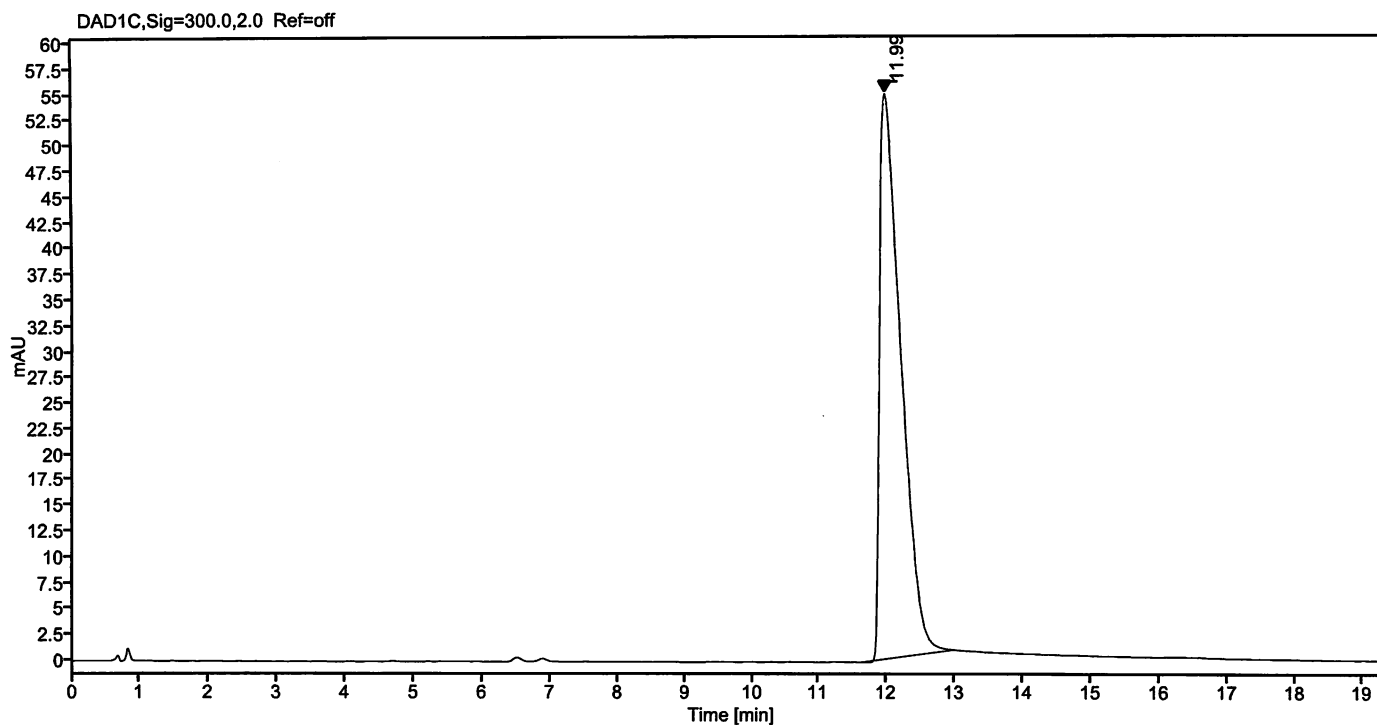
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances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

Data file:	10424500-04.dx	Instrument:	DAD3
Sample name:	80302AL 173354	Sequence Name:	10042018-SE-YMC
Inj. volume [µl]:	10.0	Injection date:	4/10/2018 8:51:07 AM
Acq. method:	GRADIENT_BASIC_GREEN_S2. amx	Location:	29

Sample Description

Basic Green 1
 Eluent B: Acentonitrile
 Eluent D: Ammoniumacetate (7.7 g) and p-Toloulsulfonic acid x H2O (0.95 g) in 1 L Water (pH 4.5 with Acetic acid)
 Column: YMC-Pack ODS-AQ 3 µm 150 x 3 mm (Nr. 5 für SE)



Signal: DAD1C,Sig=300.0,2.0 Ref=off

Nr.	RT [min]	Area	Height	Area%
1	11.99	1182.59764	54.78	100.00
	Sum	1182.60		

ABe