

Certificate of Analysis

Dr. Ehrenstorfer

Reference Materials for
Residue Analysis

Product Identification

10427500 Basic Violet 3

CA N-[4-bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, chloride

IUPAC (4(bis(p-(dimethylamino)phenyl)methylene)cyclohexa-2,5-dien-1-ylidene)dimethylammonium

Formula C₂₅H₃₀CIN₃

Mol.Weight 407.98

CAS No. 548-62-9

Expiry Date 13.09.2016

Lot Number 10113

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 22-40-41-53

S Code 25-36-60-61

LD50 (Rats female/male in mg/kg) 420

Physical Data

Phase crystalline solid

Color green-blueish

Melt.Range

Vapour pressure N/A at °C

Solubility in water N/A g/l at °C

Boiling Range (lit.)

Analytical Data

Detection: HPLC/DAD

Column: ReproSil 100 C18 5µ 250x3

Inj.-Vol.: 10.00 µl

Flow: 0.5 ml/min

Ret.-Time: 17.58 min.

Method Details:

Eluent A: Acetonitrile:H₂O+0,5% H₃PO₄ 1:4 for 2 min

Eluent B: Acetonitrile:H₂O+0,5% H₃PO₄ 4:1 for 6 min

Eluent A -> Eluent B: 28 min

Identity: UV, RT

Comment Purity was confirmed by external standard method.

Water Content 5.0 % Determined by Karl-Fischer Titration

Det. Purity 92.5 % 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 13.09.2011

by C. Neukom



The Laboratory Labor Dr. Ehrenstorfer-Schäfers is accredited by DGA as indicated by the Accreditation Certificate DGA-PL-4536.00 based on DIN EN ISO/IEC 17025:2005 for the weighing of amounts of substances for the preparation of standard solutions.

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The warranty for this product is limited to the purchasing price of this product.

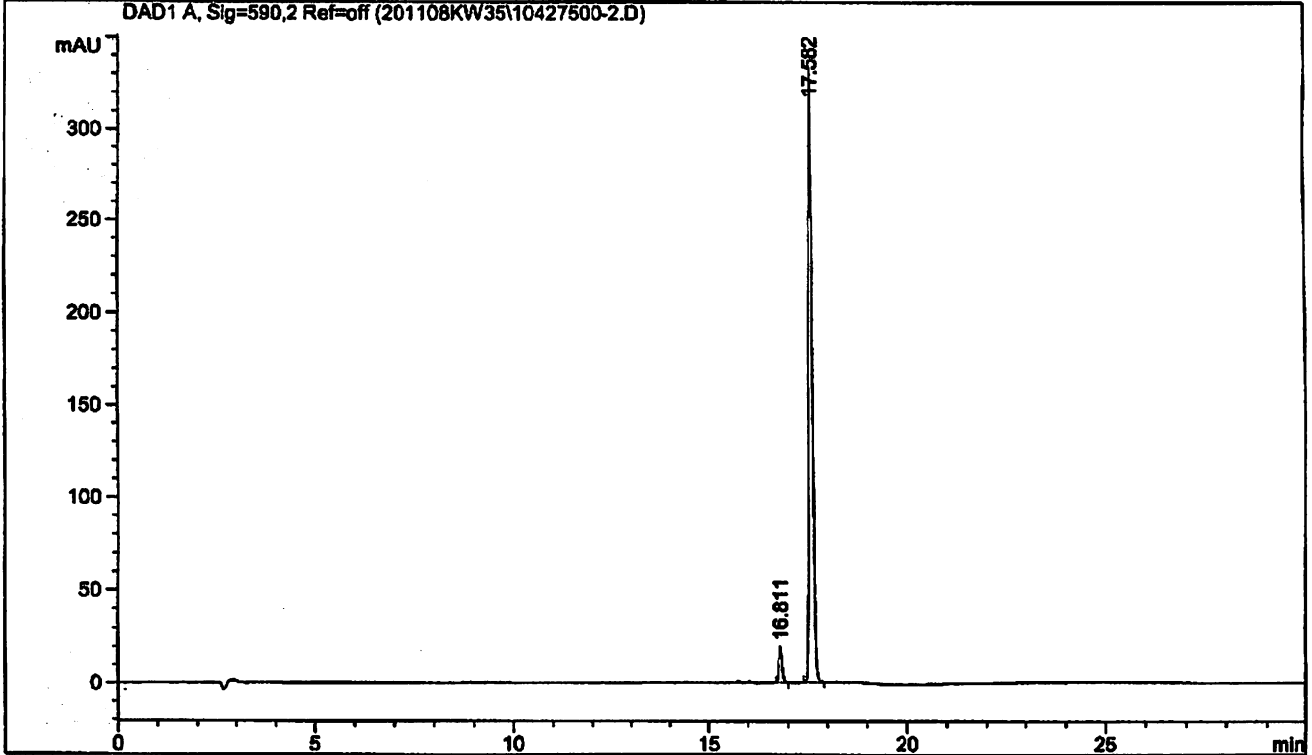


DGA-PL-4536.00

31.08.11
Kottmann

Basic Violet 3

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Injection Date : 30.08.2011 15:19:51 Seq. Line : 11
Sample Name : 10819AL 10113 Location : Vial 17
Acq. Operator : Inj : 1
Acq. Instrument : Instrument 1 Inj Volume : 10 µl
Acq. Method : D:\CHEM32\1\METHODS\PES1P590.M
Last changed : 16.12.2010 08:08:08
Analysis Method : D:\CHEM32\1\METHODS\PES1P590.M
Last changed : 30.08.2011 16:53:09
Acetonitril : Water 1:4 to 4:1 + 0.5 % H3PO4 at 590nm



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Area Percent Report
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Sorted By : Retention Time
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=590,2 Ref=off

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Height [mAU]	Area %
1	16.811	1	BB	108.22588	20.18880	4.8446
2	17.582	1	BB	2125.73560	333.79156	95.1554

Totals : 2233.96148 353.98037

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*** End of Report ***