

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

Reference Materials for
Residue Analysis

10427500 Basic Violet 3

Expiry Date 09.12.2020

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

Lot Number 123835

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

Store at 20 °C ±4 °C

Formula C₂₅H₃₀CIN₃

Mol.Weight 407.98

CAS No. 548-62-9

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

Toxicological Data



R Code 22-38-40-41-53

S Code 25-36-60-61

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

Physical Data

Phase crystalline solid

Vapour pressure N/A at °C

Color green-blueish

Solubility in water N/A g/l at °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: 7.99 min.

Identity: RT, UV

Comment Main impurity: Congeners (about 5%)

Column: Poroshell 120 EC-C18 (2.7µm, 4.6x50mm)

Method Details:

Eluent A: Acetonitrile

Eluent B: WA + 1.7g/L Tetrabutylammoniumhydrogen sulfate + 0.7g/L Na₂HPO₄, pH=3.35

Time[min]	Eluent A [%]	Eluent B [%]	Flow [ml/min]
0	20	80	1
1	20	80	1
9	50	50	1
15	50	50	1
20	20	80	1

Water Content 4.1 % Determined by Karl-Fischer Titration

Det. Purity 87.4 % 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 $Uc(y) \cdot K$, 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 23.11.2016

by N. Müller

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

