Certificate of Analysis

LGC | DR EHRENSTORFER™

Product Identification

10028450 Acid Green 50

CA Methanaminium,N-[4-[[4-(dimethylamino)phenyl](2-hydroxy-3,6-disulfo-1-

IUPAC Hydrogen [4-[4-(dimethylamino)-alpha-(2-hydroxy-3,6-disulphonato-1-

Formula C27H25N2NaO7S2

Mol.Weight 576.62

CAS No. 3087-16-9

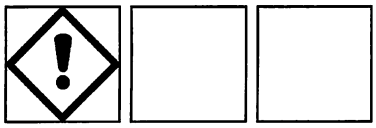
Expiry Date 29.06.2024

Lot Number 173993

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 22-36/37/38

S Code 22-25

LD50 (Rats female/male in mg/kg) 2000

Physical Data

Phase crystalline solid

Color violet

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:

Inj.-Vol.: 10.00 µl

Flow: 0.5 ml/min

Ret.-Time: **8.36 min.**

Method Details:

Eluent A: Acetonitrile:H2O+0,5% H3PO4 1:9 for 2 min
Eluent B: Acetonitrile 100% for 5 min
Eluent A -> Eluent B: 45 min

Identity: UV, RT, MS, EA, NMR

Comment Column: Nucleodur PFP 5 µm 250 x 3 mm
Contains Congener with about 5%
Purity was determined by elemental analysis.

Water Content 9.0 % Determined by Karl-Fischer Titration

Det. Purity 73.0 % Tolerance/Uncertainty +/- 5.0 %

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)*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 29.06.2018

by M. Beck

The Laboratory LGC Labor GmbH is accreditated 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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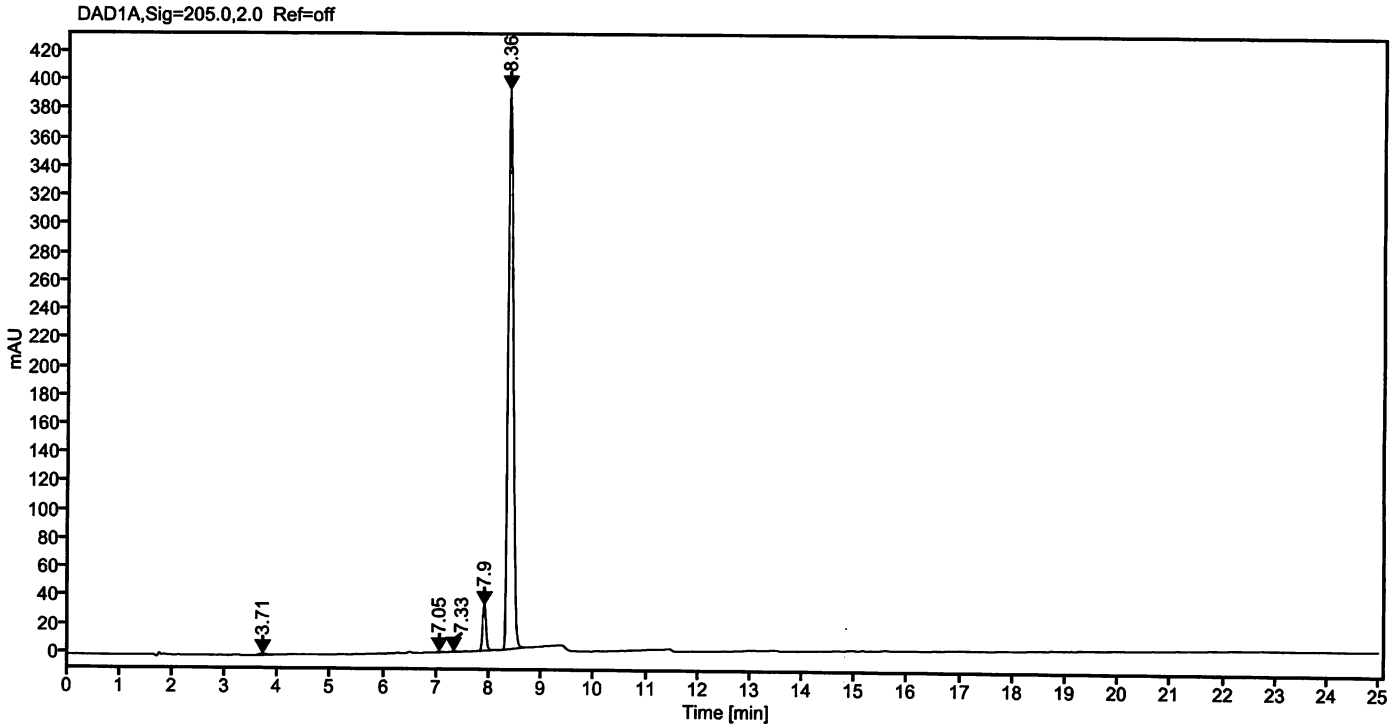
J.G.M

Data file:	10028450-03-r001.dx	**Instrument:**	DAD4
Sample name:	80601WA 173993	**Sequence Name:**	04062018-PFP
Inj. volume [µl]:	10.0	**Injection date:**	6/4/2018 1:37:04 PM
Acq. method:	Gradient_10-100_PK_S2.amx	**Location:**	9

Sample Description Acid Green 50
Column: Nucleodur PFP 5 µm 250 x 3 mm



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

Nr.	RT [min]	Area	Height	Area%
1	3.71	10.61114	1.22	0.38
2	7.05	3.16273	0.71	0.11
3	7.33	3.16177	0.67	0.11
4	7.90	145.77208	32.32	5.22
5	8.36	2630.38685	390.87	94.17
	Sum	2793.09		