

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

14946000 DL-Metanephrine hydrochloride

CA 7H-Benz[de]anthracen-7-one, 3,3'-thiobis-

IUPAC 4-Hydroxy-3-methoxy-a-(methylaminomethyl)benzene-methanol hydrochloride

Formula C₁₀H₁₅NO₃ · HCl

Mol.Weight 233.69

CAS No. 881-95-8

Expiry Date 16.10.2022

Lot Number 169714

Store at 4 °C ±4 °C

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

Toxicological Data



R Code 36/37/38

S Code 22-25

LD50 (Rats female/male in mg/kg) N/A

Physical Data

Phase crystalline solid

Color colourless

Melt.Range dec.154.5 °C

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: 1.0 ml/min

Ret.-Time: 2.24 min.

Method Details:

Eluent A: Acetonitrile:H₂O+0,5% H₃PO₄ 1:9 for 1 min

Eluent B: Acetonitrile 100% for 5 min

Eluent A -> Eluent B: 19 min

Identity: UV, RT, MS, EA, NMR, IR

Comment Purity was determined by chromatographic assay corrected by water and/or residue solvents.

Column: Reprosil 100 C8 5 µm 250 x 3 mm

Water Content 0.4 % Determined by Karl-Fischer Titration

Det. Purity 98.9 % Tolerance/Uncertainty +/- 0.5 %

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 16.10.2018

by M. Beck

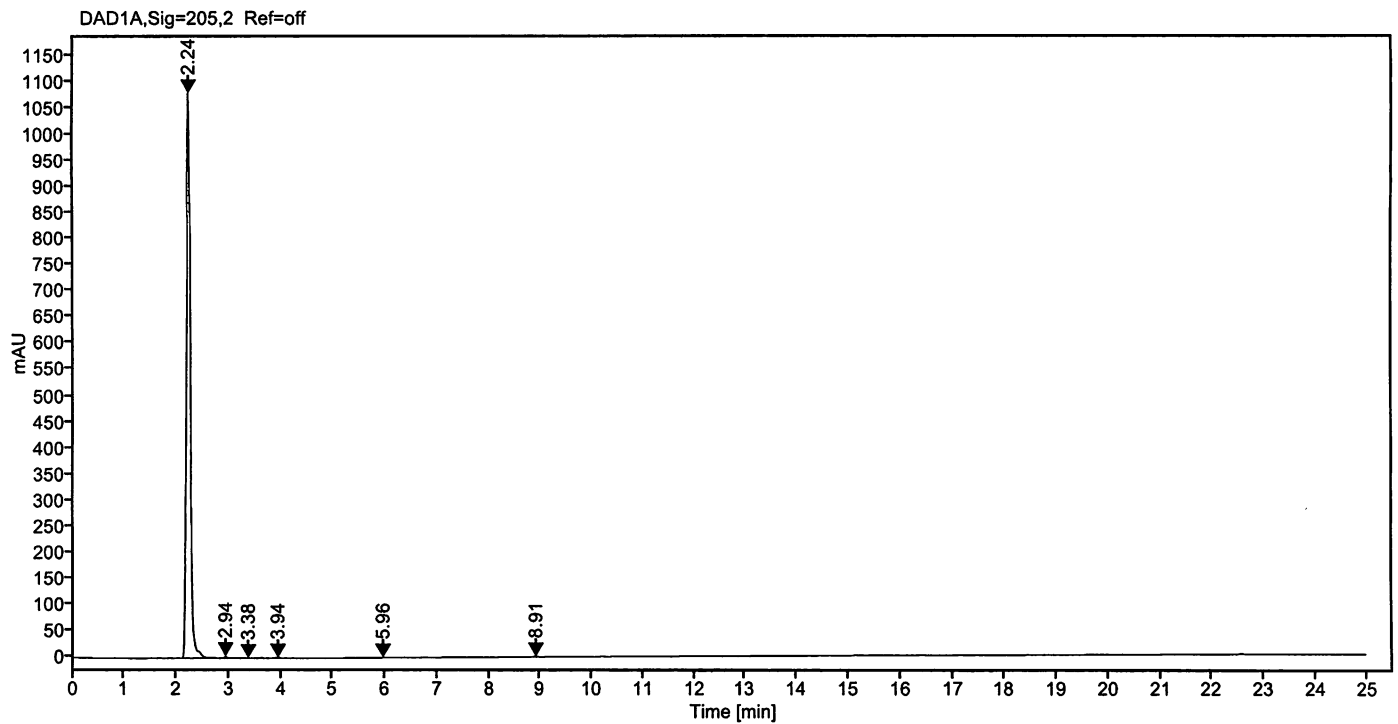
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances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

19.09.18
CF

Data file: 14946000-18-r001.dx Instrument: DAD5
Sample name: 80608WA 169714 Sequence Name: 02072018-NucC8
Inj. volume [µl]: 10.0 Injection date: 7/3/2018 1:04:23 AM
Acq. method: S3_Gradient_10-100_PK.amx Location: P4-C5

Sample Description DL-Metanephrine hydrochloride
Column: Reprosil 100 C8 5 µm 250 x 3 mm



Signal: DAD1A,Sig=205,2 Ref=off

Nr.	RT [min]	Area	Height	Area%
1	2.24	5542.25236	1082.46	99.37
2	2.94	14.76665	3.93	0.26
3	3.38	5.20540	0.52	0.09
4	3.94	6.92797	1.33	0.12
5	5.96	3.85760	0.59	0.07
6	8.91	4.53912	1.02	0.08
	Sum	5577.55		

A. Beh