

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

11065300 Cefuroxime sodium

Expiry Date 10.12.2021

CA 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 3-[[[(aminocarbonyl)oxy)methyl]-7-[[[(2E)-

Lot Number 992377

IUPAC Sodium (6R-(6alpha,7beta(Z)))-3-(((aminocarbonyl)oxy)methyl)-7-(2-

Store at 4 °C ±4 °C

Formula C₁₆H₁₅N₄NaO₈S

Mol.Weight 446.37

CAS No. 56238-63-2

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

Toxicological Data



R Code 42/43

S Code 22-36/37-45

LD₅₀ (Rats female/male in mg/kg) >10000

Physical Data

Phase crystalline solid

Vapour pressure N/A at °C

Color yellowish

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: 1.0 ml/min

Ret.-Time: 9.82 min.

Identity: IR, UV, RT, EA, NMR

Comment Column: Nucleodur 100 C8, 3 µm, 250 x 4 mm

Purity was determined by elemental analysis.

Eluent: 90% Sodium acetate (0.68 g) in 1 L water (pH 3.4 with acetic acid) and 11 mL acetonitrile 10% acetonitrile

Water Content 2.4 % Determined by Karl-Fischer Titration

Det. Purity 97.0 % 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 10.12.2018

by M. Beck

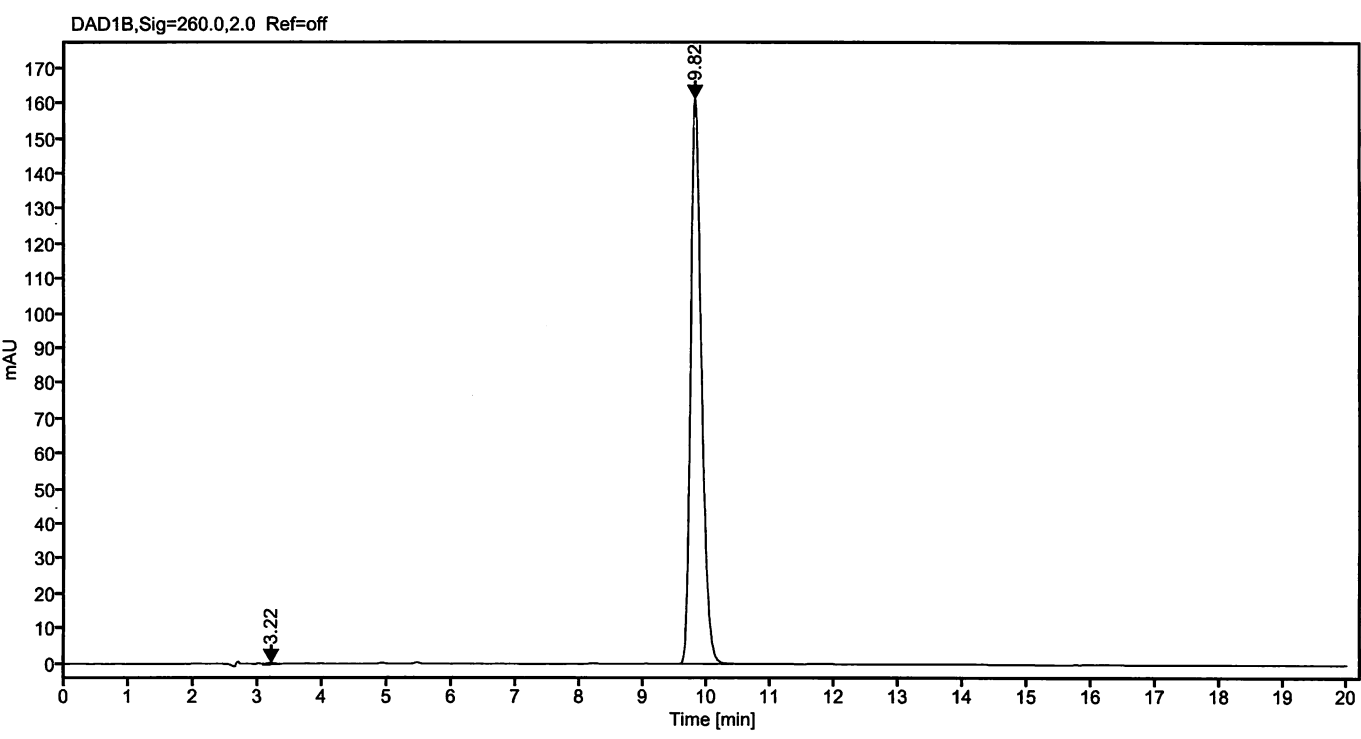
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances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

23/11/18

Data file: 11065300-03-r001.dx Instrument: DAD3
Sample name: 81122WA 992377 Sequence Name: 22112018-SE
Inj. volume [µl]: 10.0 Injection date: 11/22/2018 9:24:54 AM
Acq. method: 19K_BD_20MIN_S2.amx Location: 54

Sample Description Cefuroxime sodium
Column: Nucleodur 100 C8, 3 µm, 250 x 4 mm
Eluent: Sodium acetate (0.68 g) in 1 L water (pH 3.4 with Acetic acid) and 11 mL Acetonitrile



Signal: DAD1B,Sig=260.0,2.0 Ref=off

Nr.	RT [min]	Area	Height	Area%
1	3.22	5.31577	0.53	0.28
2	9.82	1922.07701	161.45	99.72
Sum		1927.39		

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