

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

16284000 Ponceau 4RC (E124)

CA 1,3-Naphthalenedisulfonic acid, 7-hydroxy-8-[(4-sulfo-1-naphthalenyl)azo]-, sodium salt (1:3)

IUPAC Trisodium 1-(1-naphthylazo)-2-hydroxynaphthalene-4',6,8-trisulphonate

Formula C₂₀H₁₁N₂ Na₃O₁₀S₃

Mol.Weight 604.47

CAS No. 2611-82-7

Expiry Date 03.08.2022

Lot Number 976937

Store at 20 °C ±4 °C

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

Toxicological Data



R Code

S Code

LD50 (Rats female/male in mg/kg) >8000

Physical Data

Phase crystalline solid

Color red

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: Poroshell 120 EC-C18 2.7µm 4.6x50mm

Inj.-Vol.: 10.00 µl

Flow: 1.0 ml/min

Ret.-Time: 7.57 min.

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 [%]
0	20	80
1	20	80
9	50	50
15	50	50
20	20	80

Identity: NMR, EA, UV, RT

Comment Purity was determined by elemental analysis

Water Content 7.0 % Determined by Karl-Fischer Titration

Det. Purity 87.0 % 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)*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 03.08.2018

by Dr. K. Wörmann

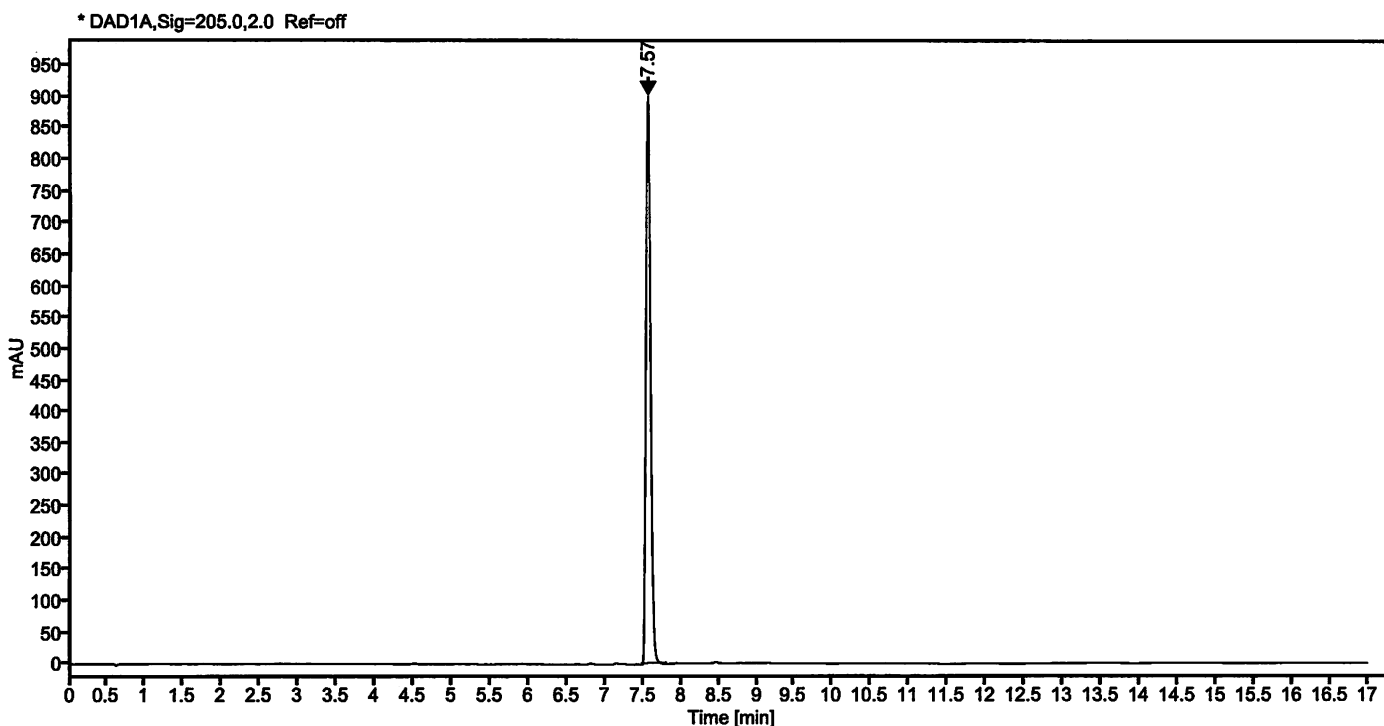
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances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

LGC Labor GmbH · Bgm.-Schlosser-Str. 6 A · 86199 Augsburg · Germany
Phone +49 821 906080 · Fax +49 821 9060888 · augsburg.inquiry@lgcgroup.com
The warranty for this product is limited to the purchasing price of this product.

2007.18
H6

Data file: 16284000-05-r001.dx Instrument: DAD3
Sample name: 80713WA 976937 Sequence Name: 19072018-SE
Inj. volume [µl]: 10.0 Injection date: 7/19/2018 8:39:15 AM
Acq. method: GRADIENT_BRILLIANTBLACK_S2.amx Location: 18

Sample Description Ponceau 4RC (E124)
Column: Poroshell 120 EC-C18, 2,7 µm, 50 x 4,6 mm
Eluent B: Acetonitrile
Eluent D: 1,7 g Tetrabutylammoniumhydrogen sulfate + 0.7 g Na2HPO4 pro 1L WA, pH = 3.35



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

Nr.	RT [min]	Area	Height	Area%
1	7.57	3809.16158	901.58	100.00
	Sum	3809.16		

[Handwritten signature]