

Certificate of Analysis



Product Identification

15986515 Perfluorobutanesulfonic acid
CA 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-
IUPAC
Formula C₄HF₉O₃S
Mol.Weight 300.10
CAS No. 375-73-5

Expiry Date 15.01.2023
Lot Number 995266
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)

Physical Data

Phase liquid

Color colourless

Melt.Range

Boiling Range (lit.)

Analytical Data

Detection: LC/MSD

Column:

Inj.-Vol.: 10.00 µl

Flow: 0.5 ml/min

Ret.-Time: 2.83 min.

Method Details:

Acetonitrile:H₂O+0,15% Formic acid 1:1

Identity: IR, RT, MS

Comment Column: Lichrospher Diol, 5 µm, 250 x 4 mm

Water Content 0.3 % Determined by Karl-Fischer Titration

Det. Purity 99.7 % Tolerance/Uncertainty +/- 1.0 %

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 15.01.2019

by M. Beck

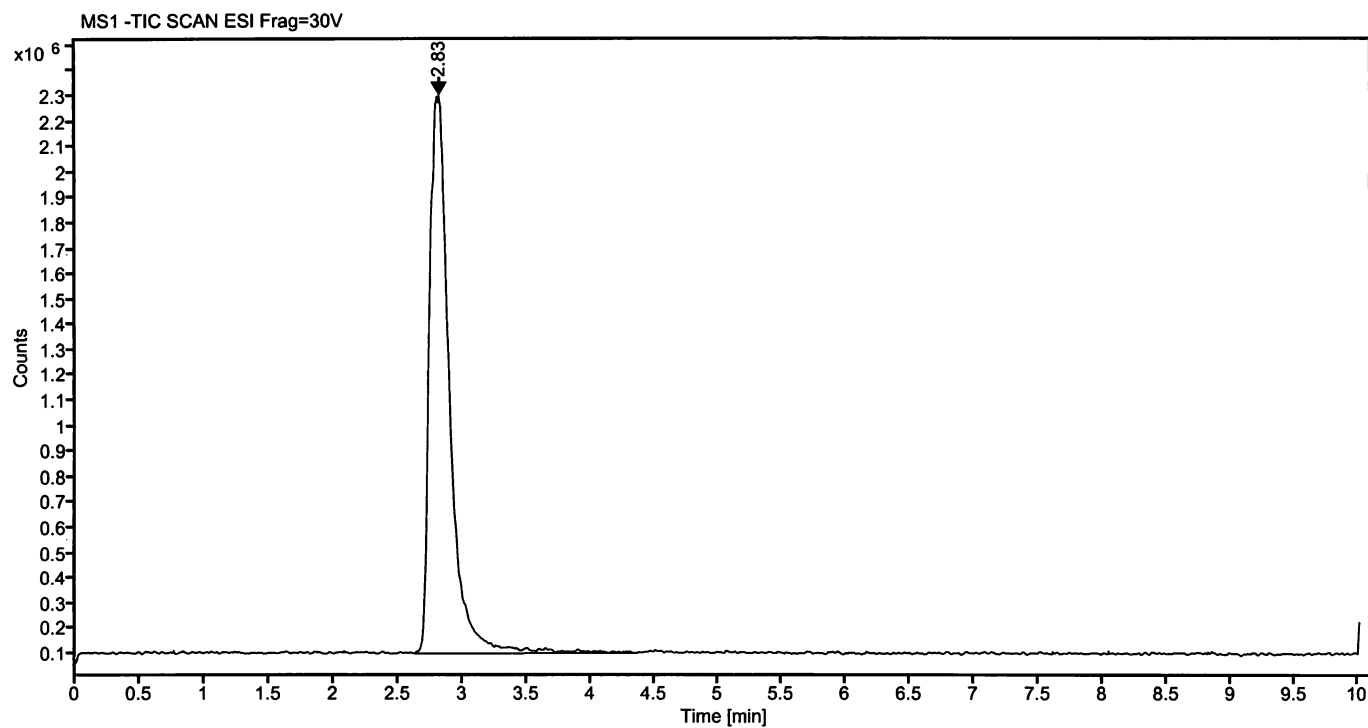
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances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

0301.2019

Data file: 15986515-20-r001.dx Instrument: DAD3
Sample name: 81219AL 995266 Sequence Name: 02012018-Diol-1
Inj. volume [µl]: 10.0 Injection date: 1/2/2019 10:48:27 PM
Acq. method: 11MS_NEGION_S2.amx Location: 45

Sample Description Perfluorobutanesulfonic acid
Column: Lichrospher Diol, 5 µm, 250 x 4 mm



Signal: MS1 -TIC SCAN ESI Frag=30V

Nr.	RT [min]	Area	Height	Area%
1	2.83	23943617.58792	2203545.70	100.00
	Sum	23943617.59		

A. Ber