

Certificate of Analysis




Product Identification

15987200 Perfluoropentanoic acid
CA Pentanoic acid, 2,2,3,3,4,4,5,5,5-nonafluoro-
IUPAC
Formula C5HF9O2
Mol.Weight 264.05
CAS No. 2706-90-3

Expiry Date 22.10.2022
Lot Number 833231
Store at 20 °C ±4 °C

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

Toxicological Data	Physical Data
	Phase liquid Color colourless Melt.Range Boiling Range (lit.)
R Code S Code LD50 (Rats female/male in mg/kg)	
Analytical Data Detection: LC/MSD Column: Inj.-Vol.: 10.00 µl Flow: 0.5 ml/min Ret.-Time: 2.80 min.	Method Details: Acetonitrile:H2O 1:1
Identity: IR, MS, RT Comment Column: Lichrospher Diol, 5µm 250 * 4mm Purity was determined by chromatographic assay corrected by water and/or residue solvents.	
Water Content 0.2 % 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 22.10.2018

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.

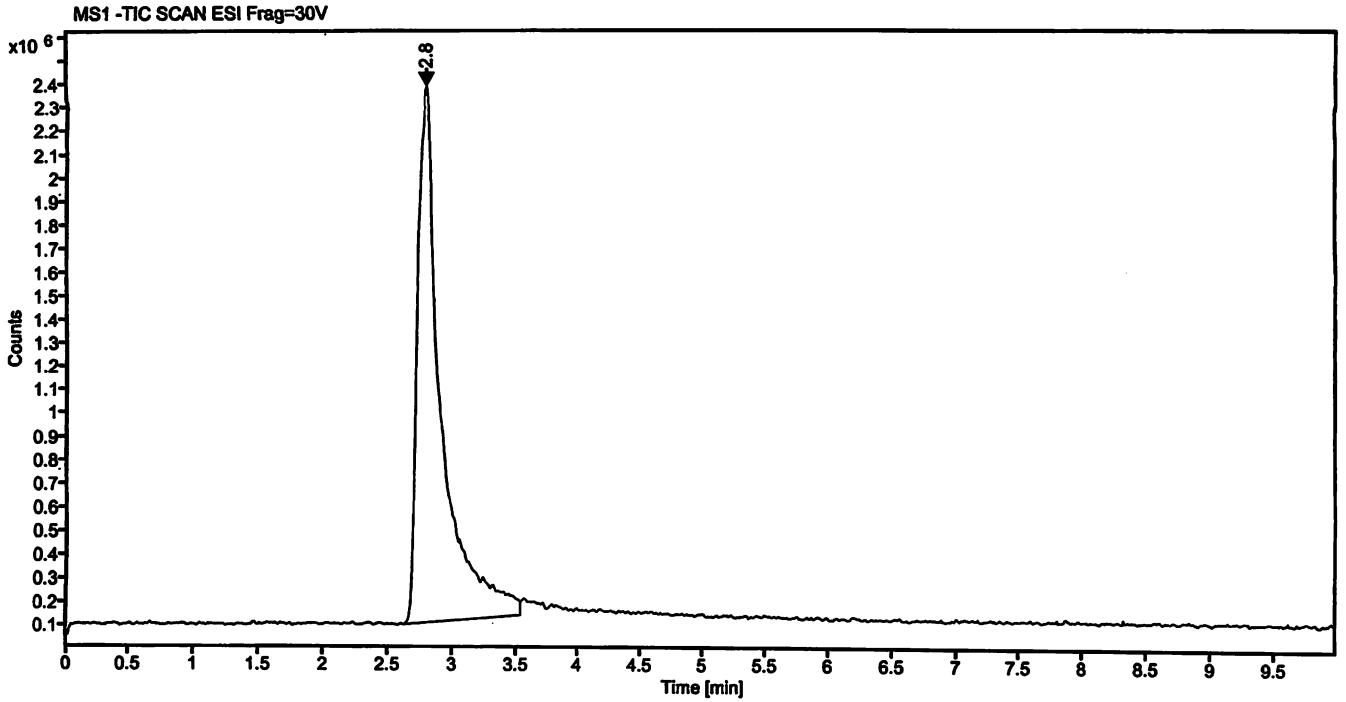
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The warranty for this product is limited to the purchasing price of this product.

Data file: 15987200-14-r001.dx
Sample name: 80919AL 833231
Inj. volume [µl]: 10.0
Acq. method: 11MS_NEGION_S2.amx

Instrument: DAD3
Sequence Name: 20092018-Diol
Injection date: 9/21/2018 10:45:52 AM
Location: 6



Sample Description: Perfluoropentanoic acid
Column: Lichrospher Diol, 5µm 250 * 4mm



Signal: MS1 -TIC SCAN ESI Frag=30V

Nr.	RT [min]	Area	Height	Area%
1	2.80	29411734.37736	2280088.07	100.00
	Sum	29411734.38		

