

Certificate of Analysis




Product Identification

15986890 Perfluoroheptanoic acid
CA Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoro-
IUPAC
Formula C7HF13O2
Mol.Weight 364.06
CAS No. 375-85-9

Expiry Date 09.10.2022
Lot Number 981020
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 crystalline solid Color colourless Melt.Range Boiling Range (lit.)
Analytical Data Detection: HPLC/DAD Column: Inj.-Vol.: 10.00 µl Flow: 0.5 ml/min Ret.-Time: 4.29 min.	Method Details: Eluent A: Acetonitrile:H2O + 0.15% Formic Acid 1:9 for 2 min Eluent B: Acetonitrile 100% for 5 min Eluent A -> Eluent B: 45 min
Identity: IR, MS, RT Comment: Column: Lichrospher Diol 5µm, 250 x 4 mm No chromatogram available. Contains about 1.5% Perfluorohexanoic acid Purity was determined by chromatographic assay corrected by water	
Water Content 1.1 % Determined by Karl-Fischer Titration Det. Purity 97.3 % 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 09.10.2018

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.