

Certificate of Analysis

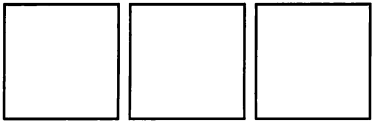


Product Identification

17892600 Tri-n-pentyl phosphate
CA Phosphoric acid, tripentyl ester
IUPAC
Formula C₁₅H₃₃O₄P
Mol.Weight 308.39
CAS No. 2528-38-3

Expiry Date 20.08.2024
Lot Number 738135
Store at 20 °C ±4 °C

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

Toxicological Data	Physical Data
 R Code S Code LD50 (Rats female/male in mg/kg)	Phase liquid Color colourless Melt.Range Boiling Range (lit.)
Analytical Data Detection: GC/FID Column: DB-5, 30 m, ID 0.25 mm Inj.-Vol.: 1.00 µl Flow: 1.0 ml/min Ret.-Time: 17.22 min.	Method Details: Injector: 280° C Start Temperature: 60° C for 5 min End Temperature: 280° C for 1 min Gradient: 15° C/min
Identity: MS, RT, EA, NMR Comment 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 % <p>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.</p>	

Certified on 20.08.2018

by M. Beck

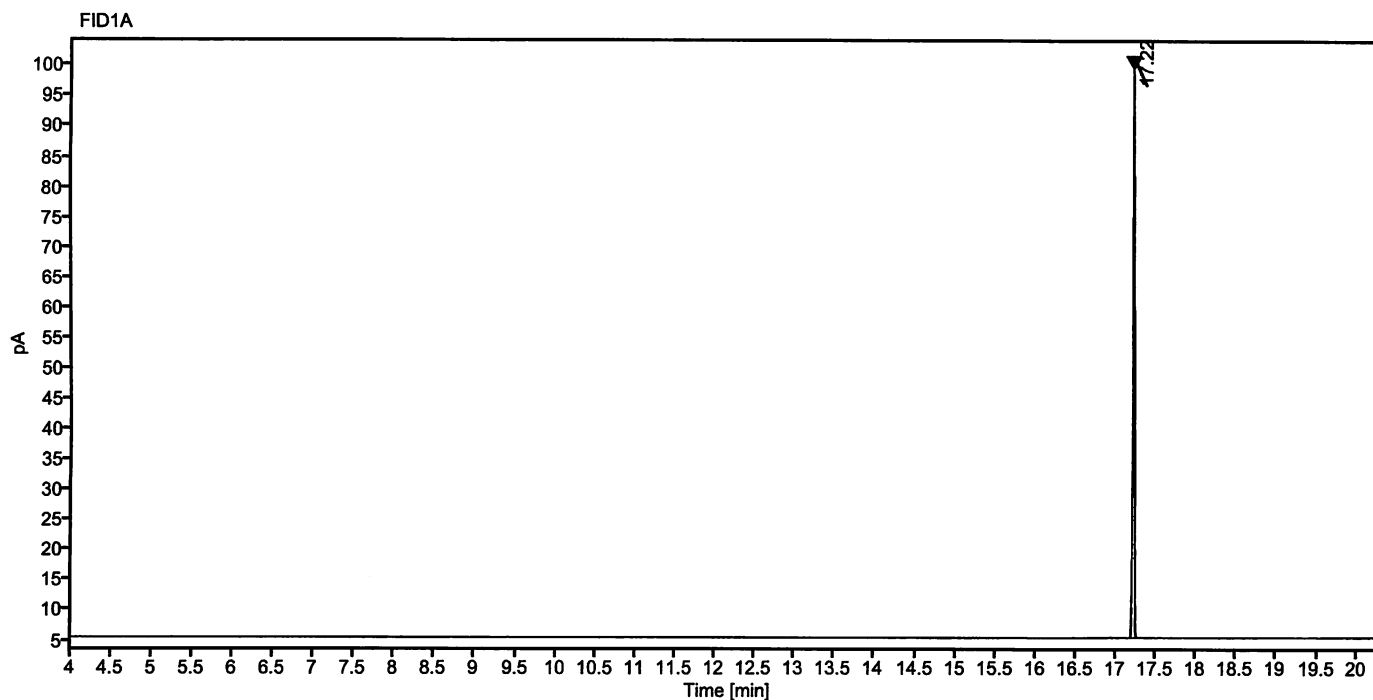
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances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

Best M

Data file: 17892600-17-r001.dx **Instrument:** FID 3
Sample name: 80727CY 738135 **Sequence Name:** 2018KW31-0731a
Inj. volume [µl]: 1.0 **Injection date:** 7/31/2018 11:38:05 PM
Acq. method: pesk.amx **Location:** 12

Sample Description Tri-n-pentyl phosphate



Signal: FID1A

Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]
1	17.22	127.81359	93.90	100.00	0.188
	Sum	127.81			

J. Best