

Certificate of Analysis

Dr. Ehrenstorfer




Product Identification

14910000 Merphos
CA Phosphorotriious acid, tributyl ester
IUPAC Tributylphosphorotrihoite
Formula C12H27PS3
Mol.Weight 298.51
CAS No. 150-50-5

Reference Materials for Residue Analysis

Expiry Date 15.01.2017
Lot Number 94687
Store at 4 °C ±4 °C

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

Toxicological Data	Physical Data
 R Code 21/22 S Code 25 LD50 (Rats female/male in mg/kg) 1272-1870	Phase liquid Color colourless Melt.Range Vapour pressure N/A at °C Solubility in water N/A g/l at °C Boiling Range (lit.)

Analytical Data	Method Details:
Detection: GC/MSD Column: DB-5, 30 m, ID 0.25 mm Inj.-Vol.: 1.00 µl Flow: 1.0 ml/min Ret.-Time: 12.98 min.	Injector: 320° C Start Temperature: 120° C for 4 min End Temperature: 320° C for 5 min Gradient: 15° C/min

Identity: MS Comment: Short expiry, for immediate use only. Stability: Unstable! Merphos readily oxidized to Tribufos upon exposure to air and high temperatures. Main Impurity: Tribufos 38.9% Expiry is only valid for originally sealed ampules. No chromatogram available.

Water Content	Determined by Karl-Fischer Titration
Det. Purity 58,0 %	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 $Uc(y) \cdot K$, 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 04.02.2016

by N. Müller

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.