

# Certificate of Analysis

Dr. Ehrenstorfer



## Product Identification

14825000 Mecoprop-2-butoxyethyl ester  
CA 2-butoxyethyl (+/-)-2-(4-chloro-2-methylphenoxy)propionate  
IUPAC 2-butoxyethyl (RS)-2-(4-chloro-o-tolyloxy)propanoate  
Formula C<sub>16</sub>H<sub>23</sub>ClO<sub>4</sub>  
Mol.Weight 314.81  
CAS No. 23359-62-8

## Reference Materials for Residue Analysis

Expiry Date 10.08.2023  
Lot Number 149334  
Store at 20 °C ±4 °C

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

Toxicological Data	Physical Data
 R Code 22 S Code 24/25 LD50 (Rats female/male in mg/kg) N/A	Phase liquid Color yellowish Melt.Range Vapour pressure N/A at °C Solubility in water insol. g/l at °C Boiling Range (lit.)

Analytical Data	
Detection: HPLC/DAD Column: ReproSil 100 C18 5µ 250x3 Inj.-Vol.: 1.00 µl Flow: 1.0 ml/min Ret.-Time: 3.12 min.	Method Details: Acetonitrile:H2O 9:1

Identity: UV, NMR, EA Comment Purity was determined by elemental analysis. No chromatogram available.
---

Water Content Det. Purity 99.0 %	Determined by Karl-Fischer Titration 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 10.08.2017

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.

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.