

Gravimetric Certificate

**EHRENSTORFER™****Product Identification**

13120000 Endosulfan (mixture of isomers)
Formula C₉H₆Cl₆O₃S
Mol.Weight 406.93
CAS No. 115-29-7

Expiry Date 18.07.2021

Lot Number 570623IO

Store at 20°C in the dark

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

Gravimetric Data		Conc. (mg/l)	Purity %	Weight (mg)
Product Name		10.000	98.7	3.242
Endosulfan (mixture of isomers)				
Solvent Information		Lot No.	Exact Quantity (ml)	
Solvent		H355M23	320.00	
Iso-Octane				
Traceability Data				
13120000 143305		neat product		
13120000 570623IO		10.000 mg/l		
Analytical Data				
Detection: GC/FID		Method Details:		
Column: DB-5, 30 m, ID 0.25 mm		Injector: 320° C		
Inj.-Vol.: 2.00 µl		Start Temperature: 120° C for 4 min		
Flow: 1.0 ml/min		End Temperature: 320° C for 3 min		
Ret.-Time:		Gradient: 15° C/min		
Identity check RT				
Comment	Mixture of isomers. Substance may isomerize during GC analysis. No chromatogram available.			
The uncertainty/tolerance of this standard is +/- 3.0 %, 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)*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 18.07.2018

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.