

# Gravimetric Certificate

**EHRENSTORFER™**

## Product Identification

15990100 cis-Permethrin  
Formula C<sub>21</sub>H<sub>20</sub>Cl<sub>2</sub>O<sub>3</sub>  
Mol.Weight 391.29  
CAS No. 61949-76-6

Expiry Date 27.02.2021  
Lot Number 174347CY  
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	99.3	3.220
cis-Permethrin				
Solvent Information		Exact Quantity (ml)		
Solvent	Lot No.			
Cyclohexane	I092831763	320.00		
Traceability Data				
15990100 125999	neat product			
15990100 174347CY	10.000 mg/l			
Analytical Data				
Detection: HPLC/DAD	Method Details:			
Column: ReproSil 100 C18 5µ 250x3	Acetonitrile:H <sub>2</sub> O 9:1			
Inj.-Vol.: 10.00 µl				
Flow: 1.0 ml/min				
Ret.-Time: 4.30 min.				
Identity check UV, RT				
Comment				
The uncertainty/tolerance of this standard is +/- 2.0 %, 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 U <sub>c</sub> (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 02.08.2018

by Dr. K. Wörmann

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.

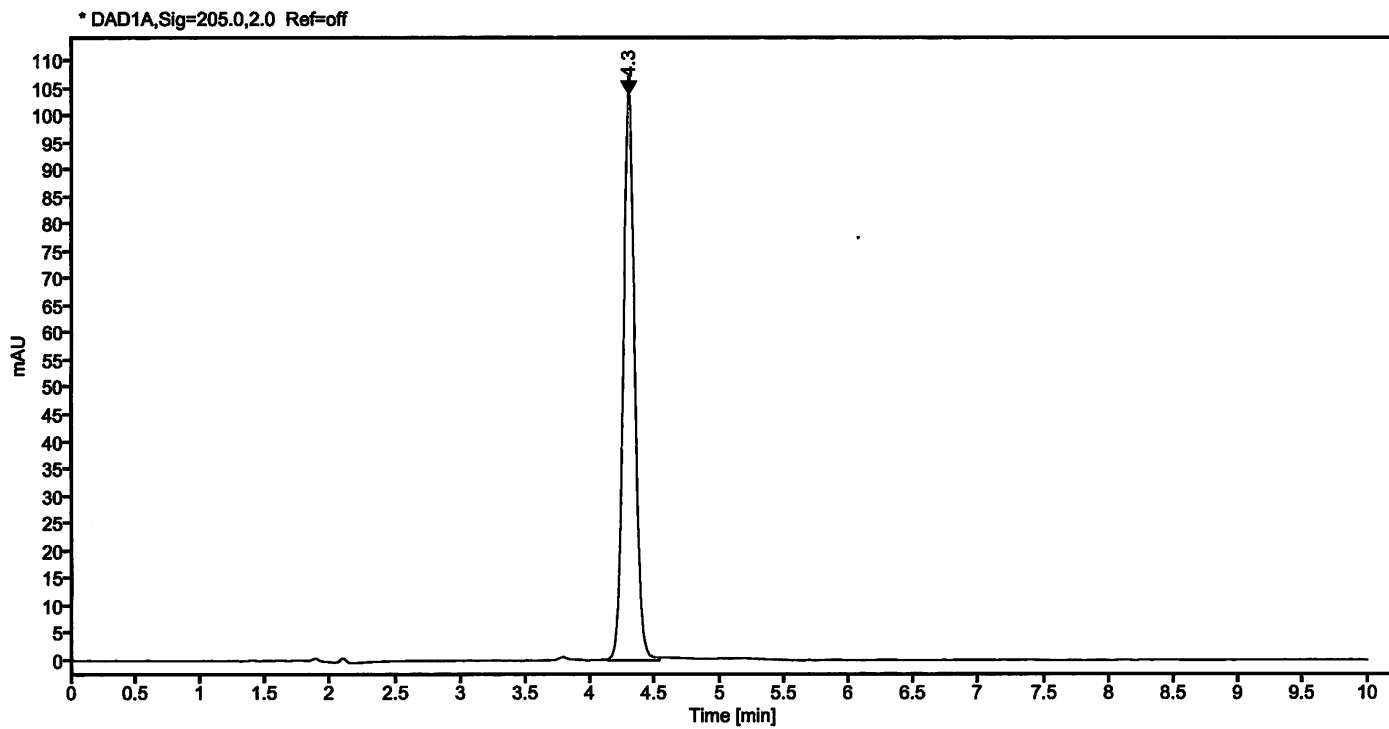
LGC Labor GmbH · Bgm.-Schlosser-Str. 6 A · 86199 Augsburg · Germany  
Phone +49 821 906080 · Fax +49 821 9060888 · augsburg.inquiry@lgcgroup.com  
The warranty for this product is limited to the purchasing price of this product.

07.08.18  
HG

Data file: 15990100-04-r001.dx  
Sample name: 174347CY  
Inj. volume [µl]: 10.0  
Acq. method: 91K\_10MIN.amx

Instrument: DAD4  
Sequence Name: 01082018-1  
Injection date: 8/1/2018 3:43:24 PM  
Location: 10

Sample Description cis-Permethrin



Signal: \* DAD1A,Sig=205.0,2.0 Ref=off

Nr.	RT [min]	Area	Height	Area%
1	4.30	644.88273	103.89	100.00
	Sum	644.88		