

Gravimetric Certificate

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

11890000 Cypermethrin
Formula C₂₂H₁₉Cl₂NO₃
Mol.Weight 416.3
CAS No. 52315-07-8

Expiry Date 02.08.2021
Lot Number 172410IO
Store at 20°C in the dark

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

Gravimetric Data				
Product Name		Conc. (mg/l)	Purity %	Weight (mg)
Cypermethrin		10.000	97.3	4.104
Solvent Information				
Solvent	Lot No.	Exact Quantity (ml)		
Iso-Octane	H355M15	400.00		
Traceability Data				
11890000 165564	neat product			
11890000 172410IO	10.000 mg/l			
Analytical Data				
Detection: GC/ECD		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 5 min		
Ret.-Time:		Gradient: 15° C/min		
Identity check				
Comment Mixture of isomers. Ratio unknown.				
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 $U_c(y) \cdot K$, 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 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.

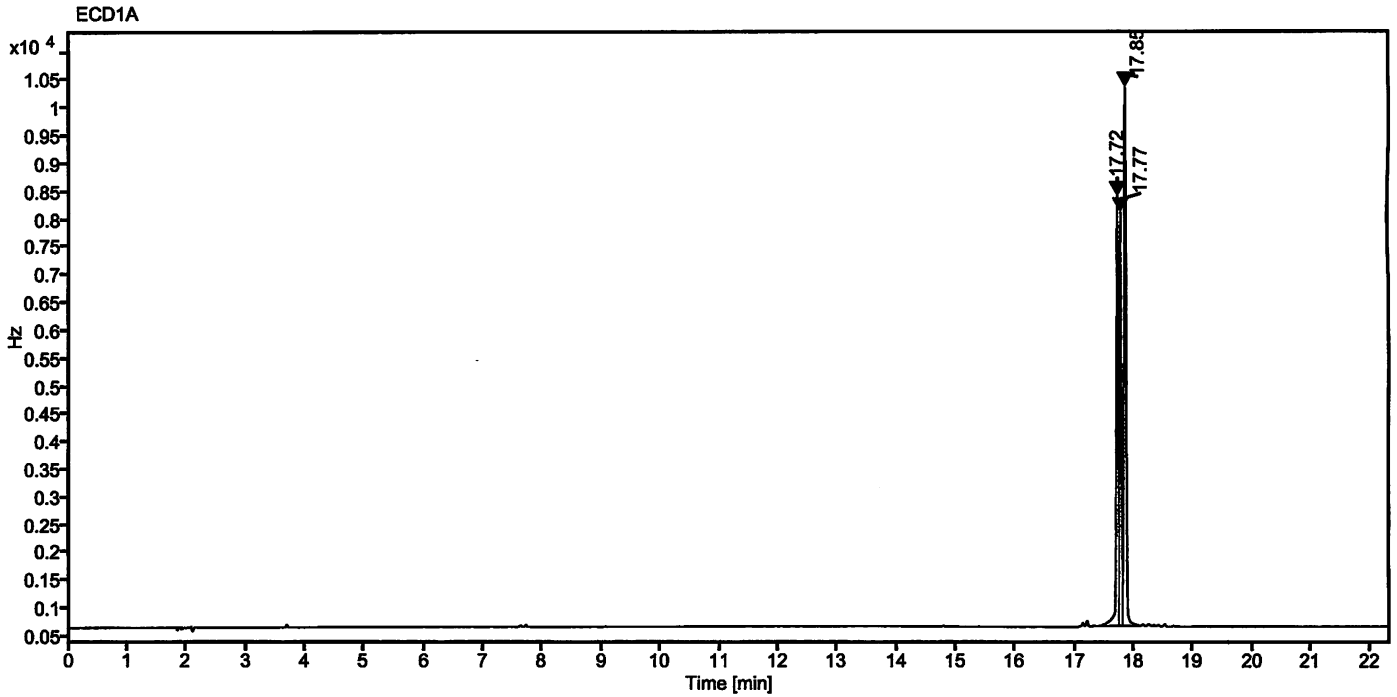
LGC Labor GmbH · Bgm.-Schlosser-Str. 6 A · 86199 Augsburg · Germany
Phone +49 821 906080 · Fax +49 821 9060888 · augsburg.inquiry@lgcgroup.com
The warranty for this product is limited to the purchasing price of this product.

05.07.18
SSg

Data file: 11890000-09-r001.dx
Sample name: 172410IO
Inj. volume [µl]: 2.0
Acq. method: pahk_2.amx

Instrument: ECD
Sequence Name: 2018KW25-0621-a
Injection date: 6/21/2018 7:58:17 PM
Location: 14

Sample Description Cypermethrin



Signal: ECD1A

Nr.	RT [min]	Area [Hz*s]	Height [Hz]	Area%	Width [min]
1	17.72	16720.06697	7735.53	30.22	0.339
2	17.77	15269.32309	7441.24	27.60	0.062
3	17.85	23331.97538	9689.31	42.18	0.303
	Sum	55321.37			