Gravimetric Certificate

LGC | DR EHRENSTORFER™

Product Identification

20016000 PCB No. 160
Formula C12H4Cl6
Mol.Weight 360.88
CAS No. 41411-62-5

Expiry Date 21.08.2023
Lot Number 712058IO
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)
PCB No. 160	10.000	99.0	3.234

Solvent Information

Solvent	Lot No.	Exact Quantity (ml)
Iso-Octane	H355M22	320.00

Traceability Data

20016000 103421	neat product
20016000 712058IO	10.000 mg/l

Analytical Data

Detection: GC/ECD
Column: DB-5, 30 m, ID 0.25 mm
Inj.-Vol.: 1.00 µl
Flow: 1.0 ml/min
Ret.-Time: **15.60 min.**

Method Details:
Injector: 320° C
Start Temperature: 120° C for 4 min
End Temperature: 320° C for 5 min
Gradient: 15° C/min

Identity check RT
Comment Property value was determined by gravimetric measurements and confirmed by peak area comparison.

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 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 21.08.2018
by D. Schmid
Schmid D.

The Laboratory LGC Labor GmbH is accreditated 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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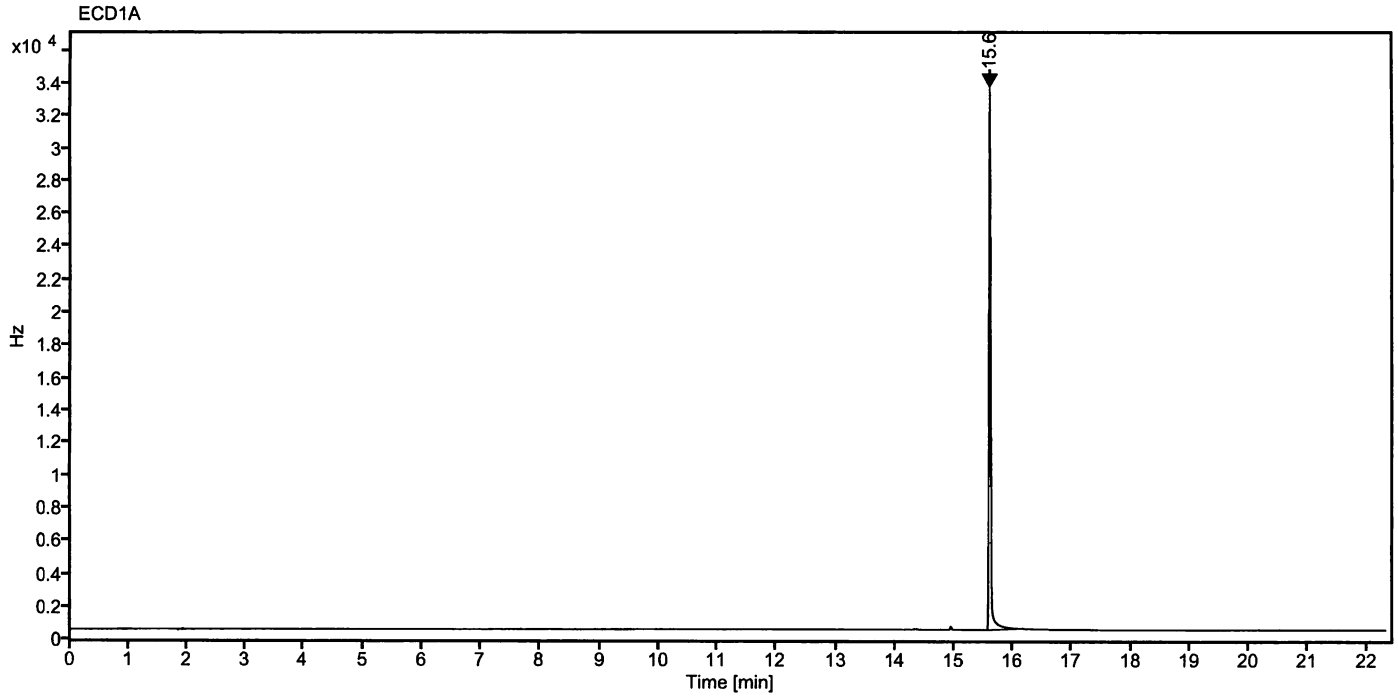
The warranty for this product is limited to the purchasing price of this product.

18.7.18
HA

Data file:	20016000-27-r001.dx	**Instrument:**	ECD
Sample name:	712058IO	**Sequence Name:**	2018KW28-ECD-0711b
Inj. volume [µl]:	1.0	**Injection date:**	7/12/2018 3:38:11 AM
Acq. method:	PAHK.amx	**Location:**	77

Sample Description PCB No. 160



Signal: ECD1A

Nr.	RT [min]	Area [Hz*s]	Height [Hz]	Area%	Width [min]
1	15.60	63672.48935	33110.65	100.00	0.029
	Sum	63672.49			

Schmid D.