## **Gravimetric Certificate**

## ISO 17034 Certified Reference Material

Product IdentificationArticle Code:DRE-L13480000CYArticle Name:FenitrothionFormula:C9H12NO5PSMol. Weight:277.23CAS No.:122-14-5

Lot Number: Expiry Date: Storage Temperature: H1003917CY 08.02.2022 20°C ± 4°C

Storage and handling: The CRM should be stored in the original sealed bottle at the temperature given above. After use the bottle should be tightly closed and protected from moisture and light. The expiry date is valid for original sealed bottles under recommended storage conditions only. Gravimetric Data

	Compound Name: Fenitrothion	Lot. No.: 93094	Purity: 98.6 %	Weight: 5.878 mg						
	Batch Solvent: Cyclohexane	Solvent Lot: 1093411783	Batch size: 580.00 ml							
Concentration:	9.99 n	ng/l Expanded Uncertainty	/U: 0.21 m	g/l						
The uncertainty of this standard is calculated in accordance with the ISO 17034 and EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement, Second Edition. The expanded uncertainty is U(exp) = u(CRM) x k, where k is the coverage factor at the 95% confidence level (k=2). Uncertainty u(CRM) is based on the combination of the uncertainties associated with each individual operation involved in the analysis of the product: u(CRM) = vu(cRa) <sup>2</sup> + u(Its) <sup>2</sup> + u(sts) <sup>2</sup> ; u(char) is the uncertainty of characterisation; u(bb) uncertainty of box u(Its) uncertainty of stability test long-term; u(sts) uncertainty of stability test short-term. u(Its) and u(sts) are not included in the calculation as the stability statement is based on real evidence opposed to simulation. Minimum sample: 1 ml is recommended as the minimal sample amount. If less material is used, it is recommended to increase the certified uncertainty by a factor of two for half sample and a factor of four for a quarter of sample. Intended use; Use this CRM as calibrant for chromatography or any other analytical technique.										
Analytical Data										
	hromatography: To the Internation	al System of Units (SI).								
Instrument: Detection: Column: InjVol.: Flow: Ret.Time:	HPLC/DAD DAD ReproSil 100 C18 5 μm 250 x 3 r 10 μl 1.0 ml/min 2.01 min	nm	Method Details Acetonitrile:Water 4:1							
	e balances used are calibrated with A glassware is used for volumetric i	weights traceable to the national standards (D) measurements.	KD).							
Attachment: Ex	emplary chromatogram of given me	thod								
Certificate Revis	Certificate Revision 1 - 08.02.2019 - D. Schmid									
Certified on:	08.02.2019									

Certified on: Certified by:

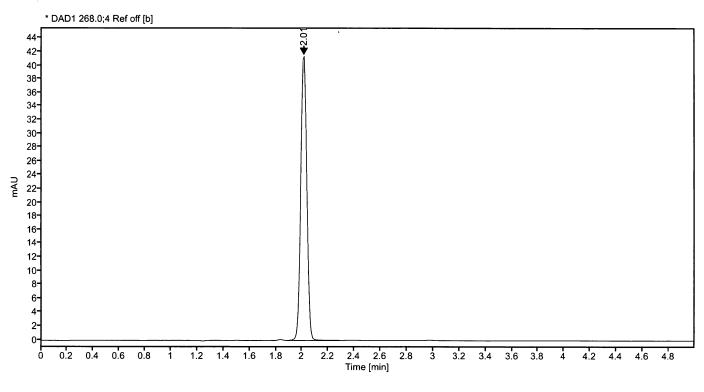
D. Schmid RM Release

Schmid D.

The LGC Labor GmbH, accreditated by DAkkS as indicated by the accreditation number D-RM-19883-01 & D-PL-19883-01, has shown competence based on ISO 17034:2017 with relevant parts of DIN EN ISO/IEC 17025:2018 for production of certified reference materials in form of organic pure substances and in form of single and multi-component solutions of organic pure substances.

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

Data file:	13480000-24.dx	Instrument:	DAD5
Sample name:	H1003917CY	Sequence Name:	07022019-2
lnj. volume [µl]:	10.0	Injection date:	2/8/2019 5:12:46 AM
Acq. method:	S1_41K.amx	Location:	D2B-C6
Sample Description	Fenitrothion		



## Signal: \* DAD1 268.0;4 Ref off [b]

Nr.	RT [min]	Area	Height	Area%	
1	2.01	133.56208	41.69	100.00	
	Sum	133.56			

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