

Gravimetric Certificate

**EHRENSTORFER™**

Product Identification

13270000 Ethion
Formula C₉H₂₂O₄P₂S₄
Mol.Weight 384.48
CAS No. 563-12-2

Expiry Date 14.01.2021

Lot Number 993407AL

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 %
Ethion		10.000	99.1
			Weight (mg)
			3.226
Solvent Information			
Solvent	Lot No.	Exact Quantity (ml)	
Acetonitrile	17067085	320.00	
Traceability Data			
13270000 121997	neat product		
13270000 993407AL	10.000 mg/l		
Analytical Data			
Detection:	HPLC/DAD	Method Details:	
Column:	ReproSil 100 C18 5µ 250x3	Acetonitrile:H2O 9:1	
Inj.-Vol.:			
Flow :	1.0 ml/min		
Ret.-Time:	2.52 min.		
Identity check RT			
Comment	Property value was determined by gravimetric measurements and confirmed by peak area comparison.		
	Inj.-Vol.: 20 µl		
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 14.01.2019

by D. Schmid

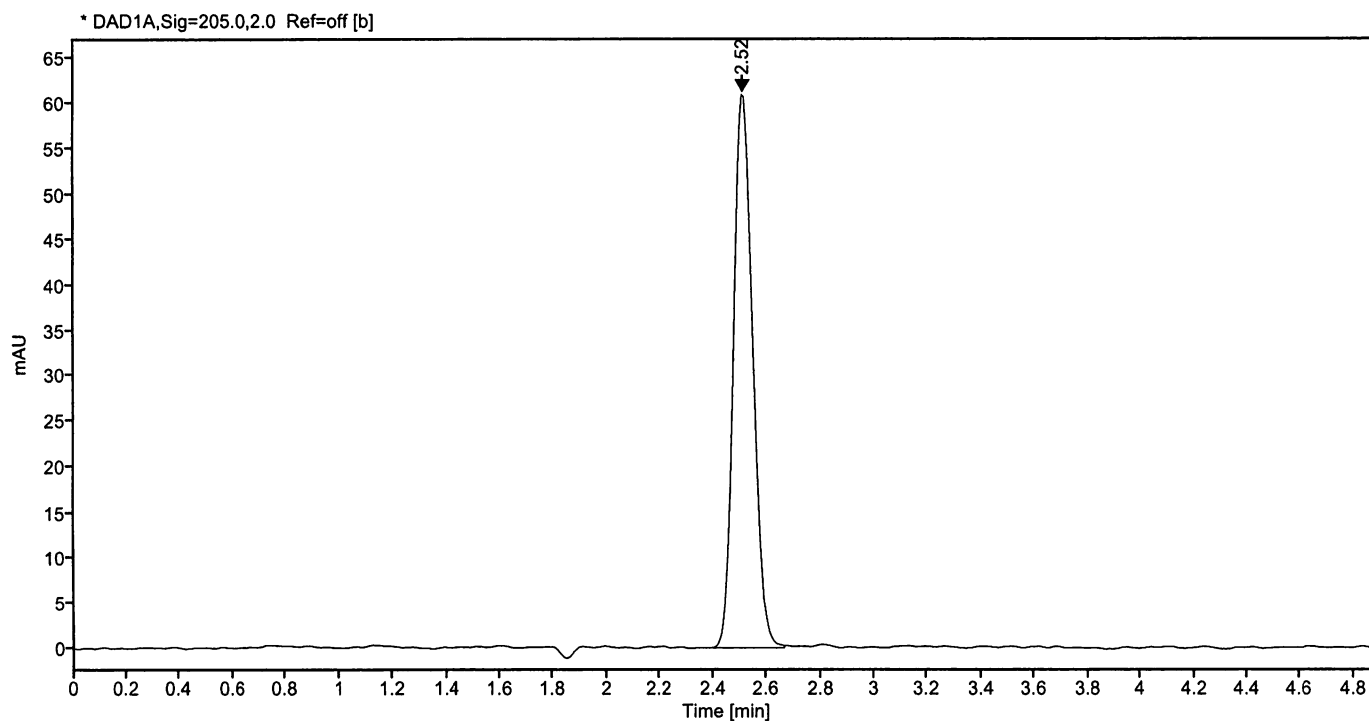
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances 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.

Data file: 13270000-19-r002.dx
 Sample name: 993407AL
 Inj. volume [µl]: 20.0
 Acq. method: 91K.amx

Instrument: DAD4
 Sequence Name: 19122018-2
 Injection date: 12/20/2018 12:37:15 AM
 Location: 25

Sample Description Ethion



Signal: * DAD1A,Sig=205.0,2.0 Ref=off [b]

Nr.	RT [min]	Area	Height	Area%
1	2.52	304.26873	61.14	100.00
Sum		304.27		

Schmid D