

Gravimetric Certificate



Product Identification

12210000 Diazinon
Formula C₁₂H₂₁N₂O₃PS
Mol.Weight 304.35
CAS No. 333-41-5

Expiry Date 12.02.2022
Lot Number 1003909CY
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)
Diazinon		10.000	99.5	3.317
Solvent Information				
Solvent	Lot No.	Exact Quantity (ml)		
Cyclohexane	I093411783	330.00		
Traceability Data				
12210000 995986	neat product			
12210000 1003909CY	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: 2.16 min.				
Identity check RT, UV				
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 +/- 5.0 %, 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 12.02.2019

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.

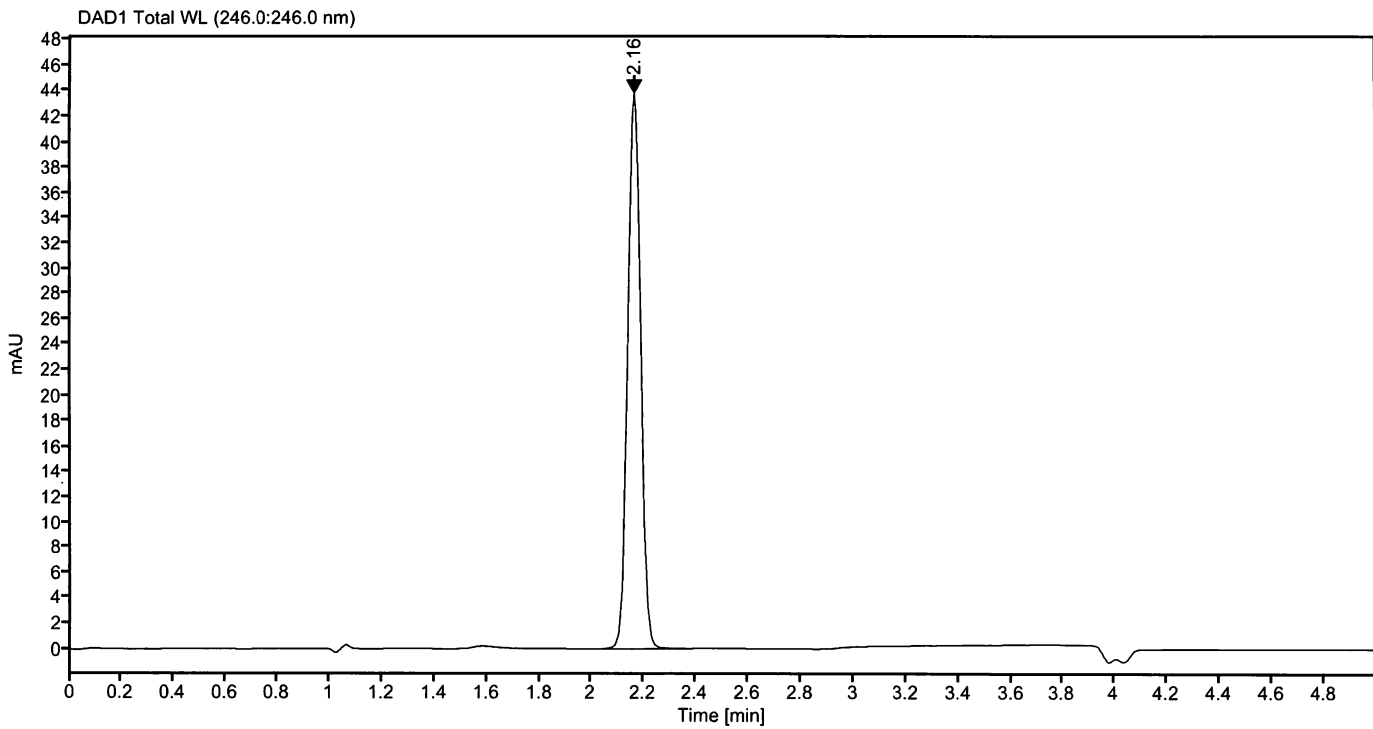
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The warranty for this product is limited to the purchasing price of this product.

2019.02.08

Data file: 12210000-58-r001.dx
Sample name: 1003909CY
Inj. volume [µl]: 20.0
Acq. method: S1_91K.amx

Instrument: DAD5
Sequence Name: 07022019-2
Injection date: 2/8/2019 8:34:04 AM
Location: D2B-F4

Sample Description Diazinon



Signal: DAD1 Total WL (246.0:246.0 nm)

Nr.	RT [min]	Area	Height	Area%
1	2.16	150.82925	43.75	100.00
	Sum	150.83		

Schmid D.