

# Gravimetric Certificate



## Product Identification

10015000 Acethion  
Formula C<sub>8</sub>H<sub>17</sub>O<sub>4</sub>PS<sub>2</sub>  
Mol.Weight 272.34  
CAS No. 919-54-0

Expiry Date 06.12.2021  
Lot Number 993290CY  
Store at 20°C in the dark

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

Gravimetric Data		Conc. (mg/l)	Purity %	Weight (mg)
Product Name		100.000	97.9	5.108
Acethion				
Solvent Information				
Solvent	Lot No.	Exact Quantity (ml)		
Cyclohexane	1093411750	50.00		
Traceability Data				
10015000 169513	neat product			
10015000 993290CY	100.000 mg/l			
Analytical Data				
Detection: GC/FID	Method Details:			
Column: DB-5, 30 m, ID 0.25 mm	Injector: 280° C			
Inj.-Vol.: 1.00 µl	Start Temperature: 60° C for 5 min			
Flow: 1.0 ml/min	End Temperature: 280° C for 1 min			
Ret.-Time: 15.47 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 +/- 8.0 %, 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 06.12.2018  
by D. Schmid

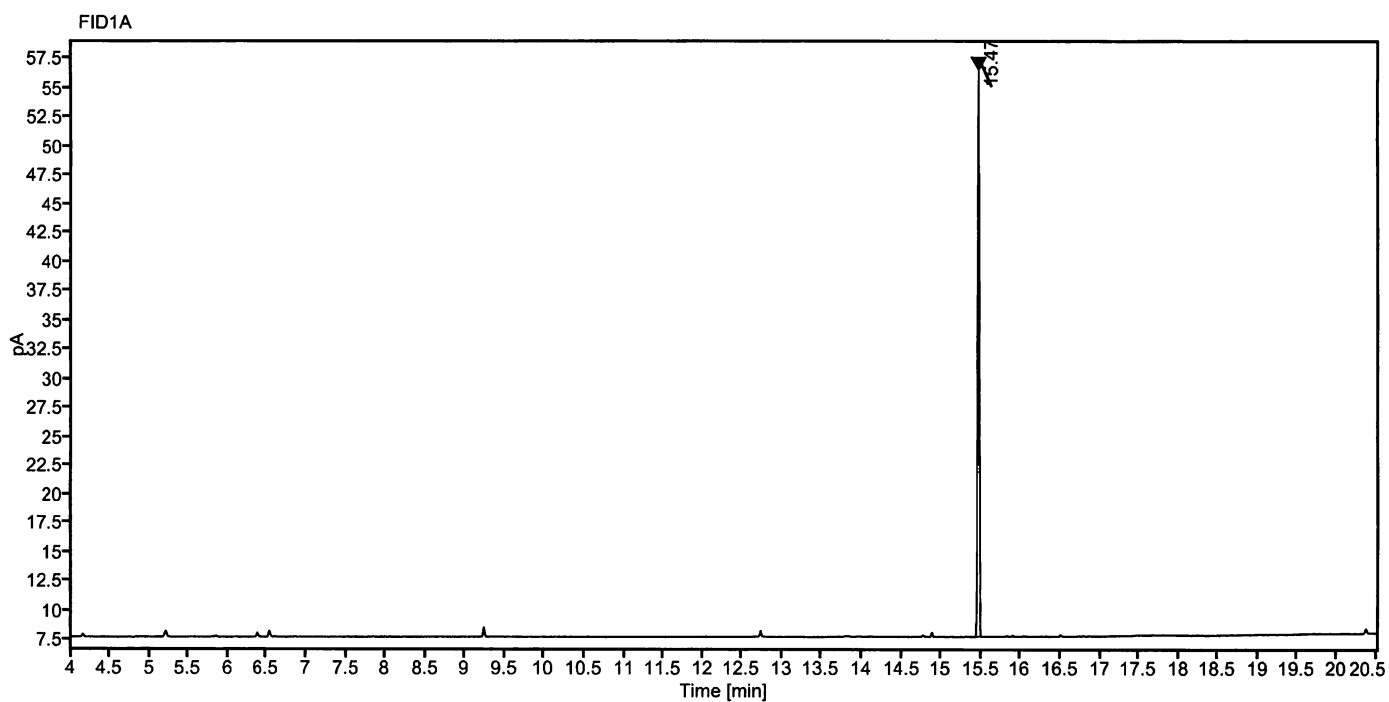
*Schmid D.*

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.

05.12.18  
SSg

Data file: 10015000-23.dx Instrument: FID 3  
Sample name: 993290CY Sequence Name: 2018KW48-1129a  
Inj. volume [µl]: 1.0 Injection date: 11/30/2018 4:05:08 AM  
Acq. method: pesk.amx Location: 14  
Sample Description Acethion



Signal: FID1A

Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]
1	15.47	63.87169	48.63	100.00	0.020
	Sum	63.87			

Schmid D.