

# Certificate of Analysis




## Product Identification

15221000 (E)-Mevinphos (cis-butenoic acid)  
CA 2-Butenoic acid, 3-[[dimethoxyphosphinyl]oxy]-, methyl ester, (2E)-  
IUPAC E-2-Methoxycarbonyl-1-methylvinyl dimethyl phosphate  
Formula C7H13O6P  
Mol.Weight 224.15  
CAS No. 298-01-1

Expiry Date 19.09.2021  
Lot Number 974560  
Store at 4 °C ±4 °C

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

Toxicological Data	Physical Data
 R Code 27/28-53 S Code 23-28-36/37-45-60-61 LD50 (Rats female/male in mg/kg) N/A	Phase liquid Color yellowish Melt.Range Vapour pressure N/A at °C Solubility in water N/A g/l at °C Boiling Range (lit.)
<b>Analytical Data</b> Detection: HPLC/DAD Column: ReproSil 100 C18 5µ 250x3 Inj.-Vol.: 10.00 µl Flow: 1.0 ml/min Ret.-Time: 8.34 min.	Method Details: Eluent A: Acetonitrile:H2O 1:9 for 1 min Eluent B: Acetonitrile 100% for 5 min Eluent A -> Eluent B: 19 min
Identity: RT, UV, IR, MS, NMR, EA Comment	
Water Content 0.2 % Determined by Karl-Fischer Titration Det. Purity 98.0 % Tolerance/Uncertainty +/- 1.0 % The uncertainty/tolerance of this standard is 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 $Uc(y) \cdot K$ , 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 20.06.2018

by D. Schmid

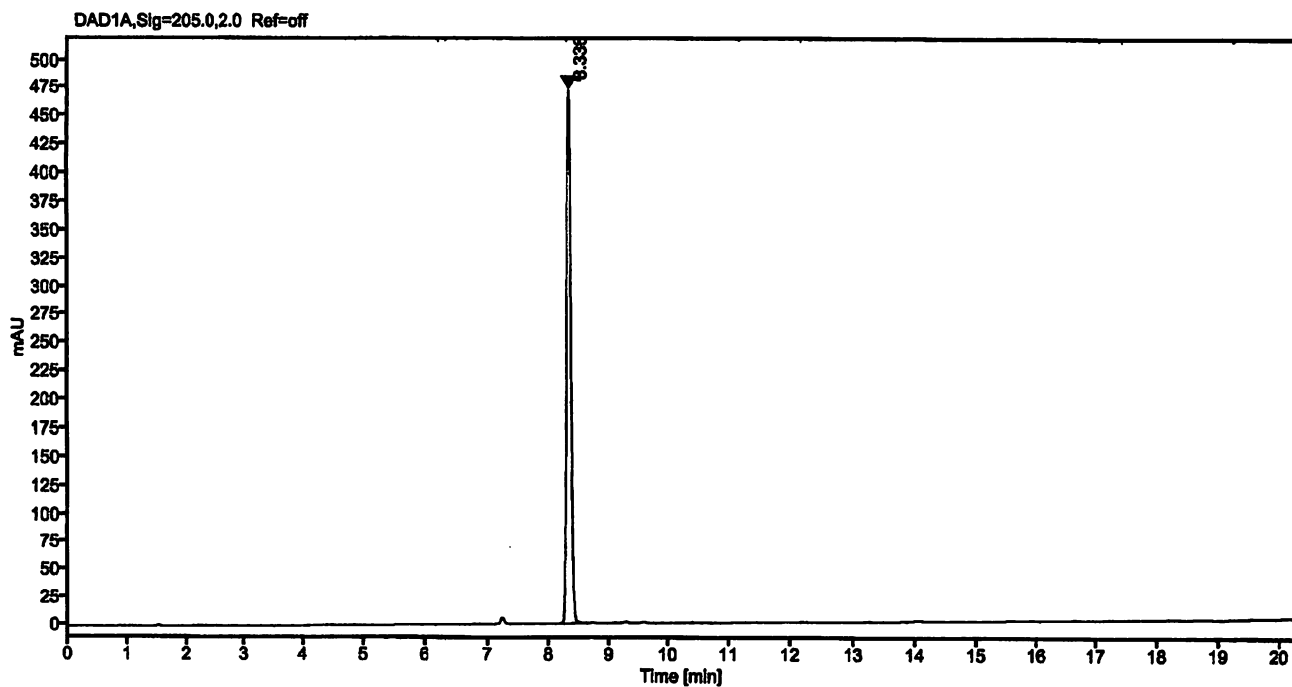
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances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

0409 MS

Data file: 15221000-09-r001.dx Instrument: DAD4  
Inj. volume [µl]: 10.0 Sequence Name: 01092017-2  
Acq. method: Gradient\_10-100\_K.amx Injection date: 9/1/2017 6:38:04 PM  
Location: 51

Sample Description (E)-Mevinphos (cis-butenoic acid)



Signal: DAD1A, Sig=205.0, 2.0 Ref=off

Nr.	RT [min]	Area	Height	Area%
1	8.336	2247.18436	473.50	100.00
	Sum	2247.18		

Schmid D.