

# Certificate of Analysis

Dr. Ehrenstorfer



## Product Identification

15221000 E-Mevinphos (cis-butenoic acid)  
CA E-Methyl-3-[(dimethoxyphosphinyloxy]-2-butenate  
IUPAC E-2-Methoxycarbonyl-1-methylvinyl dimethyl phosphate  
Formula C7H13O6P  
Mol.Weight 224.15  
CAS No. 26718-65-0

## Reference Materials for Residue Analysis

Expiry Date 18.07.2018  
Lot Number 140871  
Store at 4 °C ±4 °C

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

## Toxicological Data



R Code 27/28-53

S Code 23-28-36/37-45-60-61

LD50 (Rats female/male in mg/kg) N/A

## Physical Data

Phase liquid  
Color yellowish  
Melt.Range

Vapour pressure N/A at °C  
Solubility in water N/A g/l at °C  
Boiling Range (lit.)

## Analytical Data

Detection: HPLC/DAD  
Column: ReproSil 100 C18 5µ 250x3  
Inj.-Vol.: 10.00 µl  
Flow: 1.0 ml/min  
Ret.-Time: 1.33 min.

Method Details:  
Acetonitrile:H2O 2:1

Identity: RT, UV  
Comment Purity was confirmed by external standard method

Water Content 0.1 % Determined by Karl-Fischer Titration  
Det. Purity 99.5 % 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 09.05.2017  
by N. Müller

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.

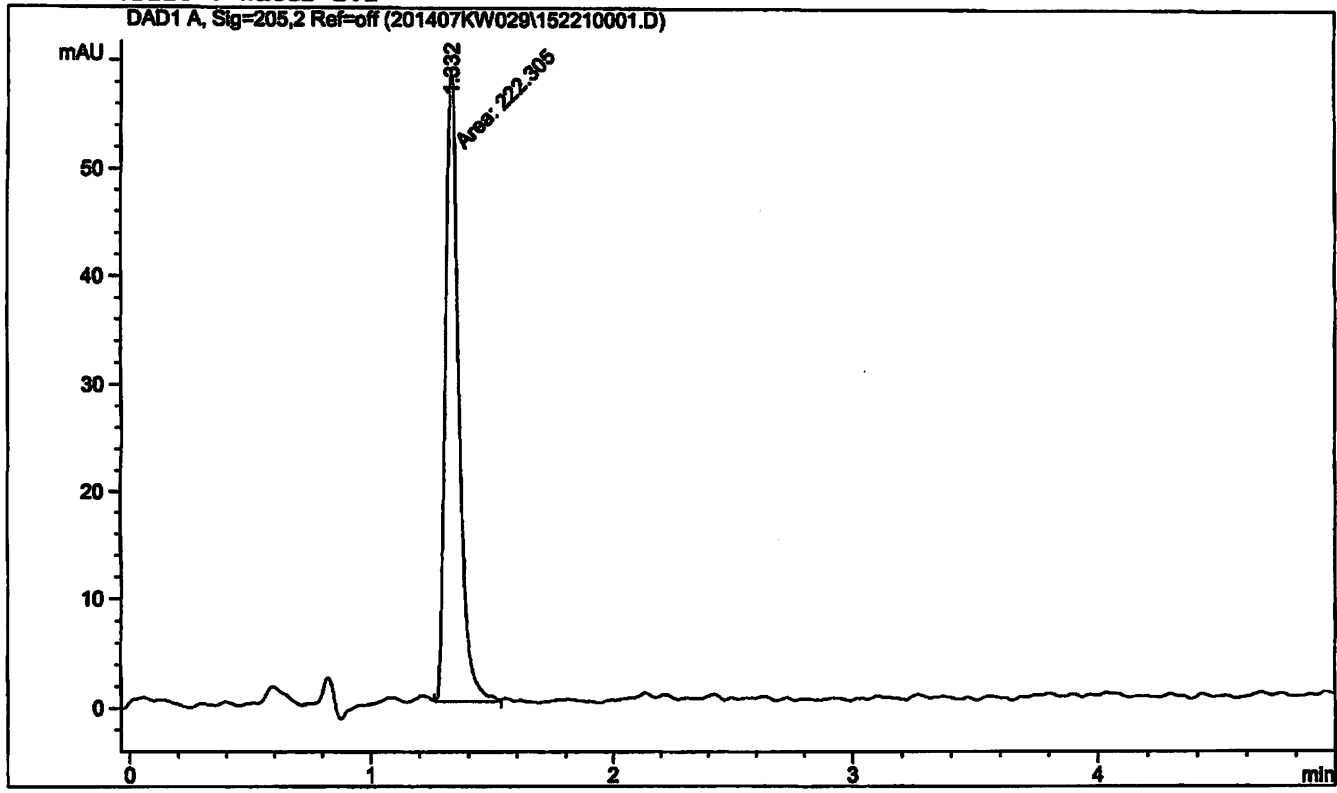
15.7.14 LV

E-Mevinphos (cis-butenoic acid)

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Injection Date : 15.07.2014 00:05:06      Seq. Line : 34
Sample Name    : 40625CY 40530           Location  : Vial 43
Acq. Operator  : DAD1_Admin              Inj       : 1
Acq. Instrument : Instrument 1           Inj Volume: 10 µl
Method         : D:\CHEM32\1\METHODS\21K.M
Last changed   : 14.01.2013 08:15:48 by DAD1
Acetonitrile   : Water 2:1

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                          Area Percent Report
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Sorted By      :      Retention Time
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

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Signal 1: DAD1 A, Sig=205,2 Ref=off

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Height [mAU]	Area %
1	1.332	1	MM	222.30453	58.78408	100.0000

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Totals :                222.30453    58.78408
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\*\*\* End of Report \*\*\*

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