

# Certificate of Analysis

Dr. Ehrenstorfer



Reference Materials for  
Residue Analysis

## Product Identification

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

Expiry Date 22.05.2017  
Lot Number 30422  
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 Vapour pressure N/A at °C  
Color yellowish Solubility in water N/A g/l at °C  
Melt.Range Boiling Range (lit.)

## Analytical Data

Detection: HPLC/DAD Method Details:  
Column: ReproSil 100 C18 5µ 250x3 Acetonitrile:H2O 2:1  
Inj.-Vol.: 10.00 µl  
Flow: 1.0 ml/min  
Ret.-Time: 1.36 min.

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

Water Content 0.1 % Determined by Karl-Fischer Titration  
Det. Purity 98.1 % Tolerance/Uncertainty +/- 0.5 %

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 21.06.2013  
by Dipl. chem. S. Fischer

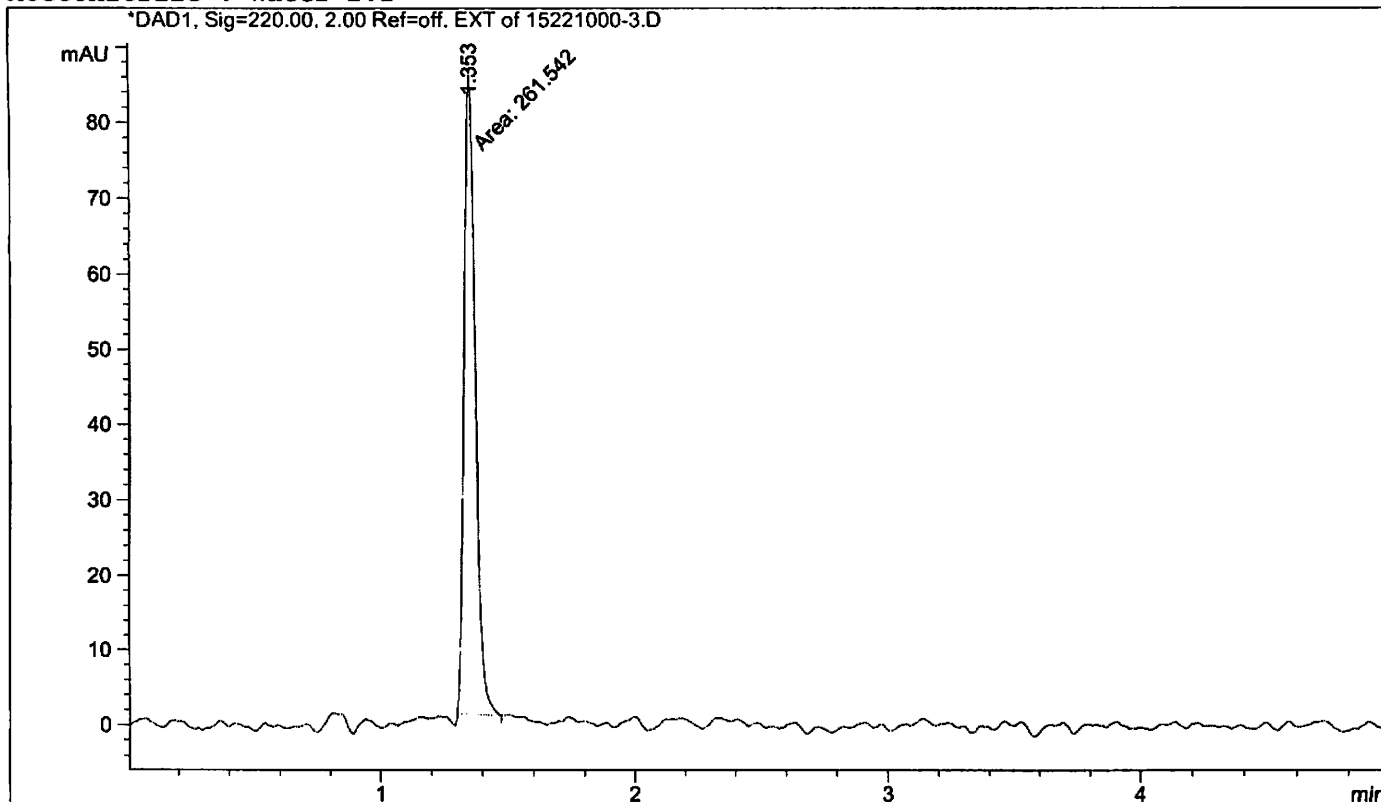
The Laboratory Labor Dr. Ehrenstorfer-Schäfers is accredited by DAkkS as indicated by the Accreditation Number D-RM-14174-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances and in form of single and multi-components solutions organic pure substances.

Labor Dr. Ehrenstorfer-Schäfers · Bgm.-Schlosser-Str. 6 A · 86199 Augsburg · Germany  
Phone +49 821 906080 · Fax +49 821 9060888 · info@analytical-standards.com  
The warranty for this product is limited to the purchasing price of this product.

25.4.13

E-Mevinphos (cis-butenoic acid)

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Injection Date : 25.04.2013 05:22:55                   Seq. Line : 72  
Sample Name : 30424CY 30422                            Location : Vial 40  
Acq. Operator : DAD1\_Admin                             Inj : 1  
Acq. Instrument : Instrument 1                         Inj Volume : 10 µl  
Method : C:\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

Signal 1: DAD1, Sig=220.00, 2.00 Ref=off, EXT  
Signal has been modified after loading from rawdata file!

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Height [mAU]	Area %
1	1.353	1	MM T	261.54211	85.16994	100.0000

Totals :                   261.54211   85.16994

S. Jisc ✓

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\*\*\* End of Report \*\*\*  
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