

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

Reference Materials for Residue Analysis

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 19.09.2021
Lot Number 145613
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 NA at °C
Solubility in water NA 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: 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 19.09.2017

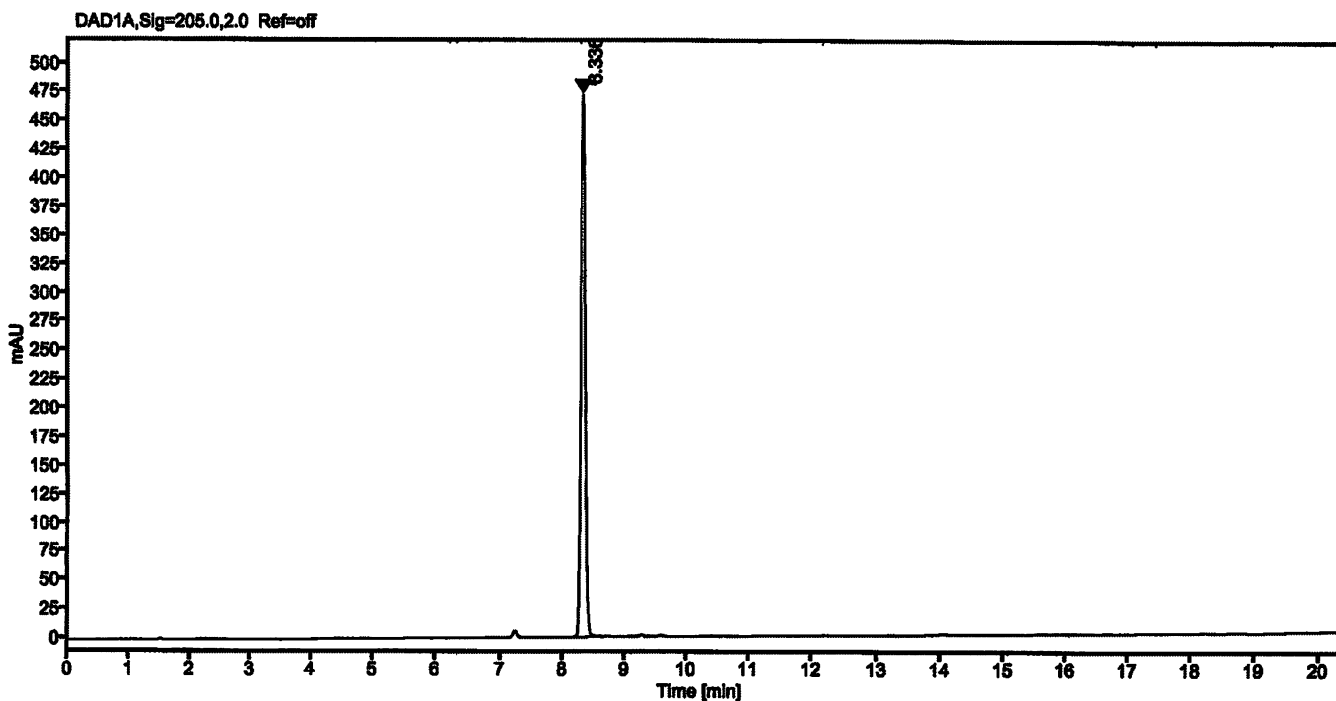
by Dr. K. Wörmann

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.

LGC Labor GmbH · Bgm.-Schlosser-Str. 6 A · 86199 Augsburg · Germany
Phone +49 821 906080 · Fax +49 821 9060888 · augsburg.inquiry@lgcgroup.com
The warranty for this product is limited to the purchasing price of this product.

040915

Data file: 15221000-09-r001.dx Instrument: DAD4
Sample name: 70901CY 145613 Sequence Name: 01092017-2
Inj. volume [µl]: 10.0 Injection date: 9/1/2017 6:38:04 PM
Acq. method: Gradient_10-100_K.amx 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		

H. Wimmer