

# Certificate of Analysis

Dr. Ehrenstorfer



## Product Identification

13545000 (E)-Fenpyroximate

CA (E)-1,1-dimethylethyl 4-[[[1,3-dimethyl-5-phenoxy-1H-pyrazol-4-

IUPAC tert-butyl(E)-alpha-(1,3-dimethyl-5-phenoxy-pyrazol-4-yl)methyleamino-oxy)-p-toluate

Formula C<sub>24</sub>H<sub>27</sub>N<sub>3</sub>O<sub>4</sub>

Mol.Weight 421.5

CAS No. 134098-61-6

## Reference Materials for Residue Analysis

Expiry Date 16.10.2016

Lot Number 21002

Store at 20 °C ±4 °C

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

| Toxicological Data  | Physical Data  |
|---|--|
| <br>R Code 22-53<br>S Code 36/37/39<br>LD50 (Rats female/male in mg/kg) 245 | Phase crystalline solid<br>Color colourless<br>Melt.Range 101.6 °C<br>Vapour pressure 0.0075 mPa at 25 °C<br>Solubility in water N/A g/l at °C<br>Boiling Range (lit.) |

| Analytical Data   | Method Details:      |
|---|----------------------|
| Detection: HPLC/DAD<br>Column: ReproSil 100 C18 5µ 250x3<br>Inj.-Vol.: 10.00 µl<br>Flow: 0.5 ml/min<br>Ret.-Time: 5.97 min. | Acetonitrile:H2O 9:1 |

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

Water Content 0.0 % Determined by Karl-Fischer Titration  
Det. Purity 99.5 % 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 16.10.2012

by C. Neukom



The Laboratory Labor Dr. Ehrenstorfer-Schäfers is accredited by DGA as indicated by the Accreditation Certificate DGA-PL-4536.00 based on DIN EN ISO/IEC 17025:2005 for the weighing of amounts of substances for the preparation of standard solutions.

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The warranty for this product is limited to the purchasing price of this product.



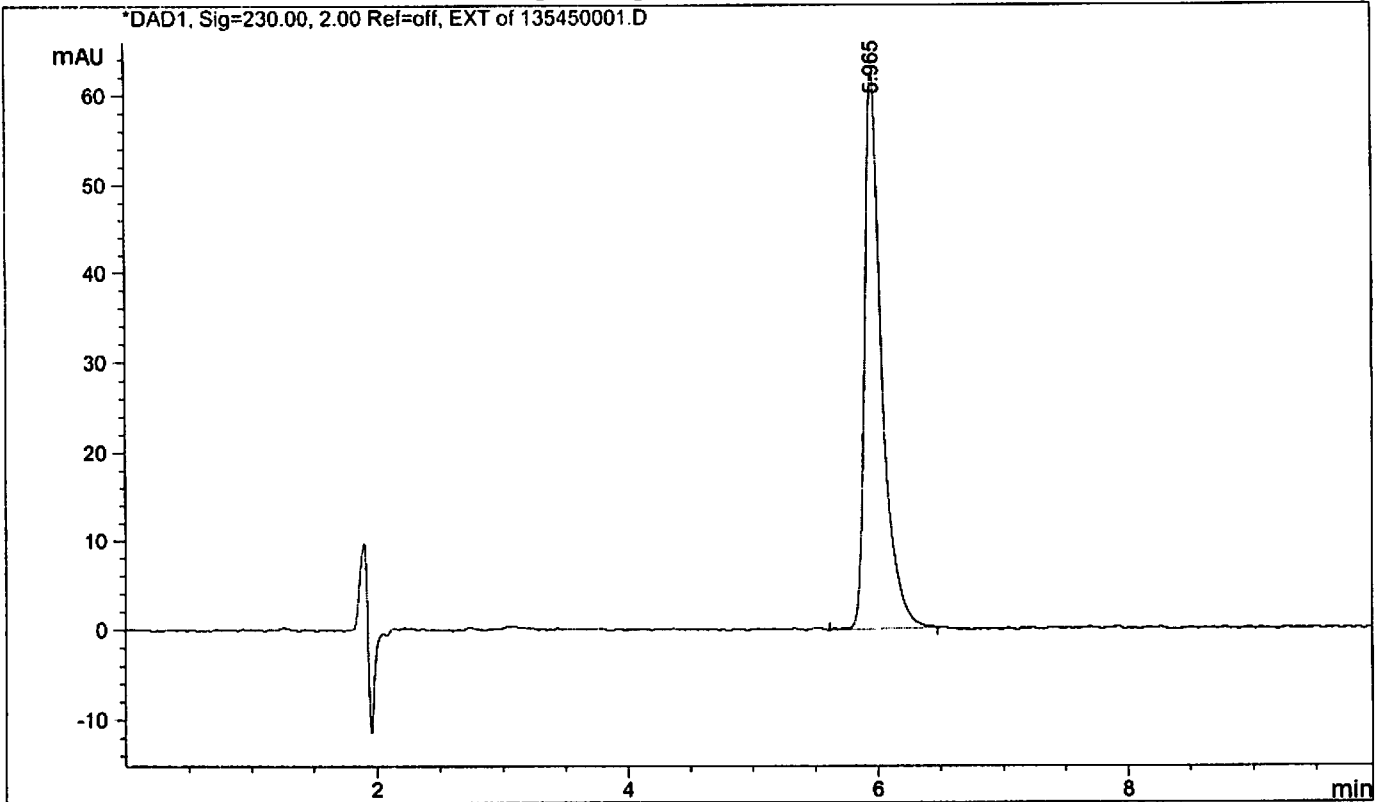
15.10.12  
JMS

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=====
Acq. Operator   : Dr. Heidrich                Seq. Line : 16
Acq. Instrument : DAD1                       Location  : Vial 68
Injection Date  : 12.10.2012 14:34:25        Inj       : 1
                                                Inj Volume: 10.000 µl

Acq. Method     : D:\CHEM32\1\METHODS\91.M
Last changed    : 24.09.2012 08:42:03 by Dr. Heidrich
Analysis Method : V:\DAD1\METHODS\91.M
Last changed    : 24.09.2012 08:42:03 by Dr. Heidrich
Method Info     : Acetonitrile : Water 9:1

Sample Info     : (E)-Fenpyroximate
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Additional Info : Peak(s) manually integrated



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Area Percent Report  
=====

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

Signal 1: DAD1, Sig=230.00, 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      | 5.965         | 1   | BB   | 583.37848    | 62.27943     | 100.0000 |

Totals : 583.37848 62.27943