

Certificate of Analysis

Dr. Ehrenstorfer

Reference Materials for
Residue Analysis

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)methyleneamino-oxy)-p-toluate

Formula C₂₄H₂₇N₃O₄

Mol.Weight 421.5

CAS No. 134098-61-6

Expiry Date 12.09.2013

Lot Number 90819

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 22-53

S Code 36/37/39

LD50 (Rats female/male in mg/kg) 245

Physical Data

Phase crystalline solid

Color colourless

Melt.Range 100,1 °C

Vapour pressure 0.0075 mPa at 25 °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: 2.66 min.

Method Details:

Acetonitrile:H₂O 9:1

Identity: UV, RT

Comment Purity was determined by external standard method.

Water Content 0.1 % Determined by Karl-Fischer Titration

Det. Purity 97.1 % 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 13.10.2009

by Dr. J. Heidrich



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.

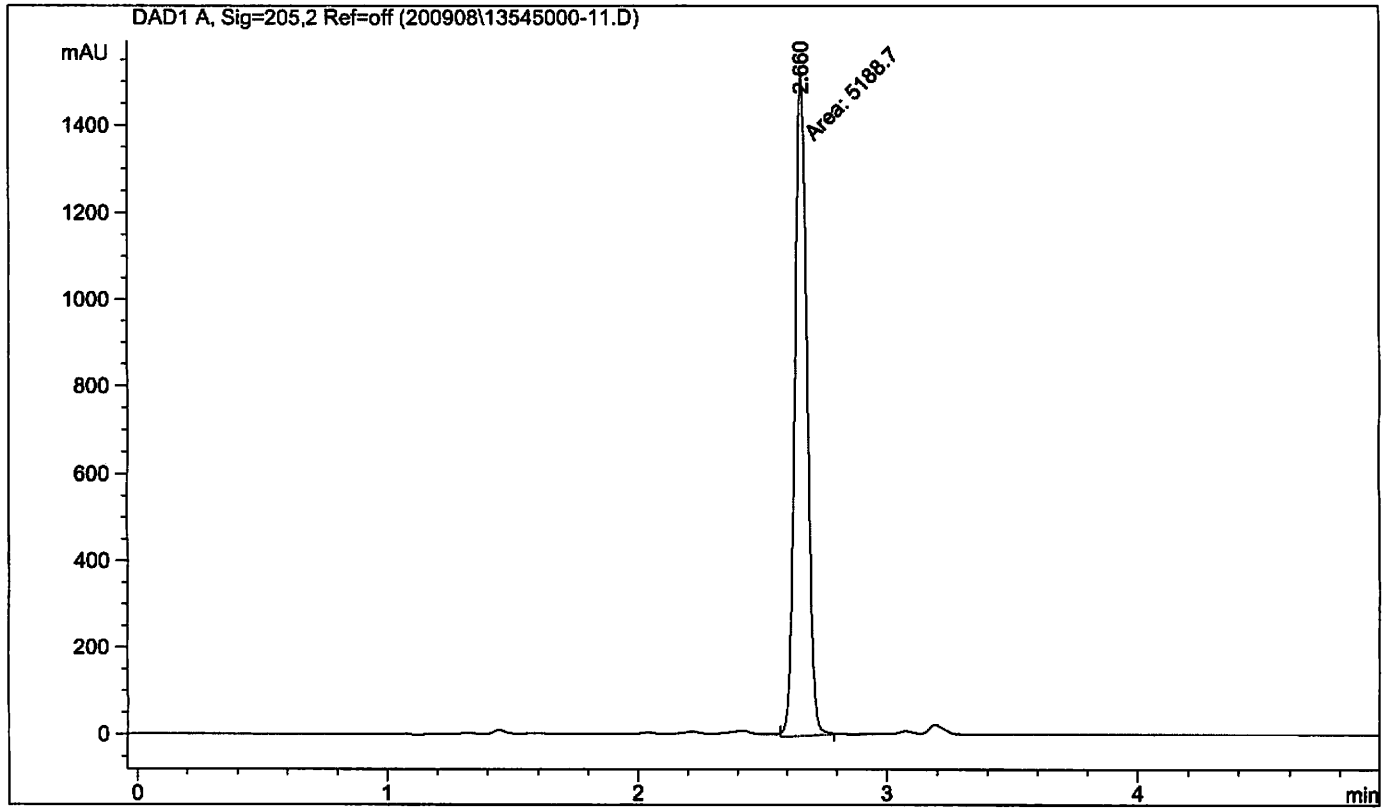


DGA-PL-4536.00

BA

(E) - Fenpyroximate

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Injection Date : 22.08.2009 15:45:19 Seq. Line : 36
Sample Name : 90819CY 90819 Location : Vial 21
Acq. Operator : Heidrich Inj : 1
Acq. Instrument : Instrument 1 Inj Volume : 10 µl
Method : D:\CHEM32\1\METHODS\91K.M
Last changed : 05.08.2009 10:47:48 by Heidrich
Acetonitrile : Water 9 :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 A, Sig=205,2 Ref=off

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Height [mAU]	Area %
1	2.660	1	MM T	5188.70264	1526.88086	100.0000

Totals : 5188.70264 1526.88086

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*** End of Report ***
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