

Certificate of Analysis

Dr. Ehrenstorfer



Reference Materials for
Residue Analysis

Product Identification

13545000 (E)-Fenpyroximate

CA Benzoic acid, 4-[[[(E)-[(1,3-dimethyl-5-phenoxy-1H-pyrazol-4-yl)methylene]amino]oxy]methyl]-,

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

Formula C₂₄H₂₇N₃O₄

Mol.Weight 421.5

CAS No. 134098-61-6

Expiry Date 10.08.2019

Lot Number 109006

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 25/26-50/53

S Code 36/37/39

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

Physical Data

Phase crystalline solid

Color colourless

Melt.Range 101.2 °C

Vapour pressure 0.0075 mPa at 25 °C

Solubility in water N/A g/l at °C

Boiling Range (lit.)

Analytical Data

Detection: LC/MSD

Column: ReproSil 100 C18 5µ 250x3

Inj.-Vol.: 10.00 µl

Flow: 0.5 ml/min

Ret.-Time: 5.89 min.

Method Details:

Acetonitrile:H₂O+0,15% Formic acid 9:1

Identity: UV, RT, MS

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)*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 07.06.2016

by M. Beck

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.

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Injection Date : Mon, 3. Aug. 2015      Seq Line :      44
Sample Info    : (E)-Fenpyroximate     Location  :      Vial 79
Acq Operator   : SYSTEM                Inj. No.  :      1
                                           Inj. Vol. :     10 µl
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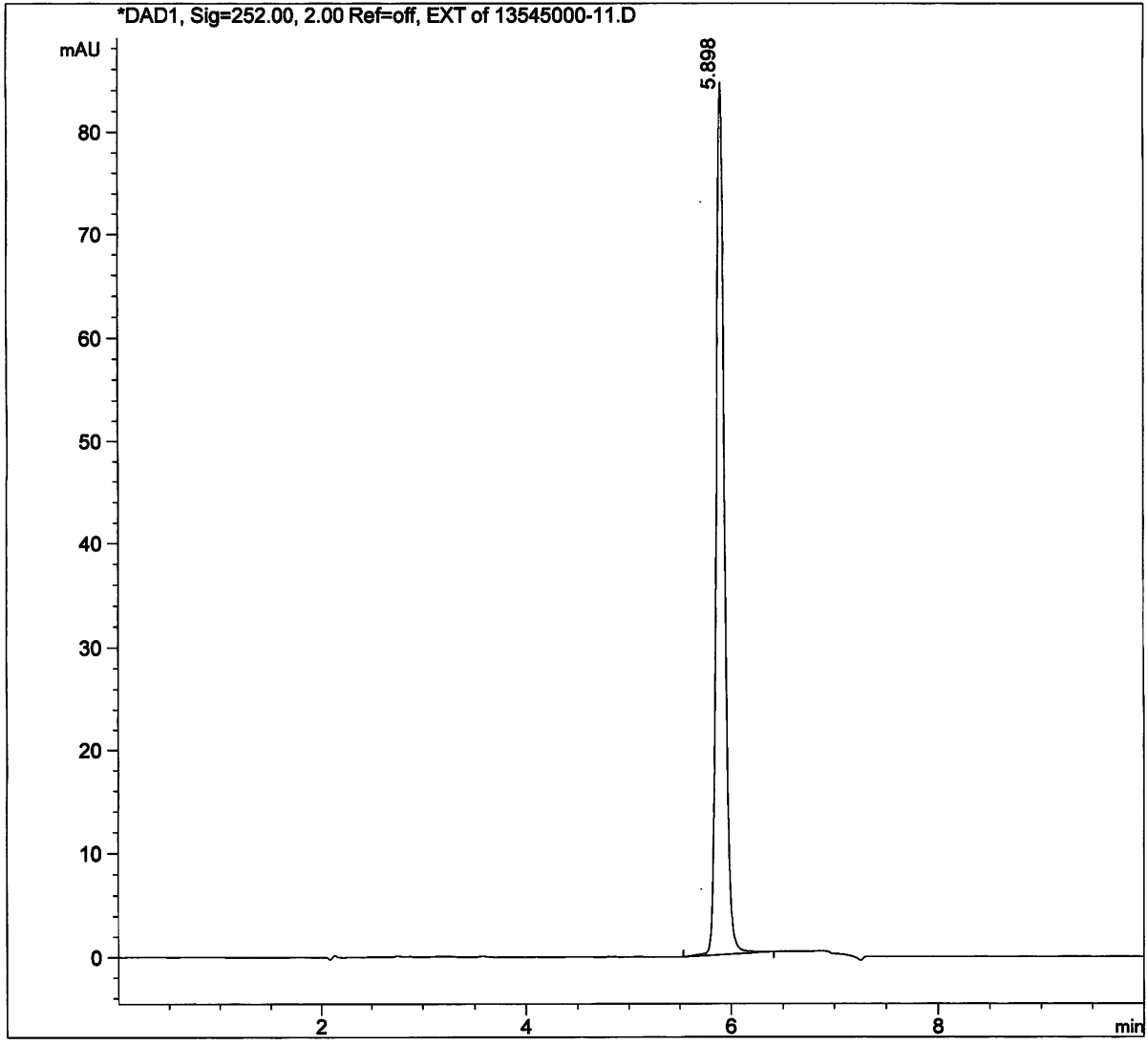
Be

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Acq. Method    : C:\Chem32\1\Data\201503KW32\030815_2 2015-08-03 15-07-43\91MS.M
Last Changed   : Wed, 16. Jan. 2013, 02:32:55 pm

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Acetonitrile : Water +0.15% Formic Acid 9:1



Peak #	RT [min]	Width [min]	Area %	Area	Height
1	5.898	0.089	100.000	484.171	84.510

M. Beck

*** End of Report ***