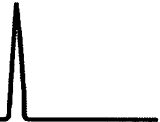


Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

Reference Materials for Residue Analysis

13545000 (E)-Fenproximate

Expiry Date 06.09.2019

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

Lot Number 108647

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

Store at 20 °C ±4 °C

Formula C₂₄H₂₇N₃O₄

Mol.Weight 421.5

CAS No. 134098-61-6

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

Vapour pressure 0.0075 mPa at 25 °C

Color colourless

Solubility in water N/A g/l at °C

Melt.Range 100.6 °C

Boiling Range (lit.)

Analytical Data

Detection: HPLC/DAD

Method Details:

Column: ReproSil 100 C18 5µ 250x3

Acetonitrile:H₂O+0,5% H₃PO₄ 9:1

Inj.-Vol.:

Flow: 0.5 ml/min

Ret.-Time: 6.42 min.

Identity: UV, RT, MS, IR, NMR, EA

Comment Purity was confirmed by external standard method.

Inj. Vol.: 3 µl

Water Content 0.0 % 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 $U_c(y) \cdot K$, 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 06.09.2016

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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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.

Sample Name: 60607CY 108647

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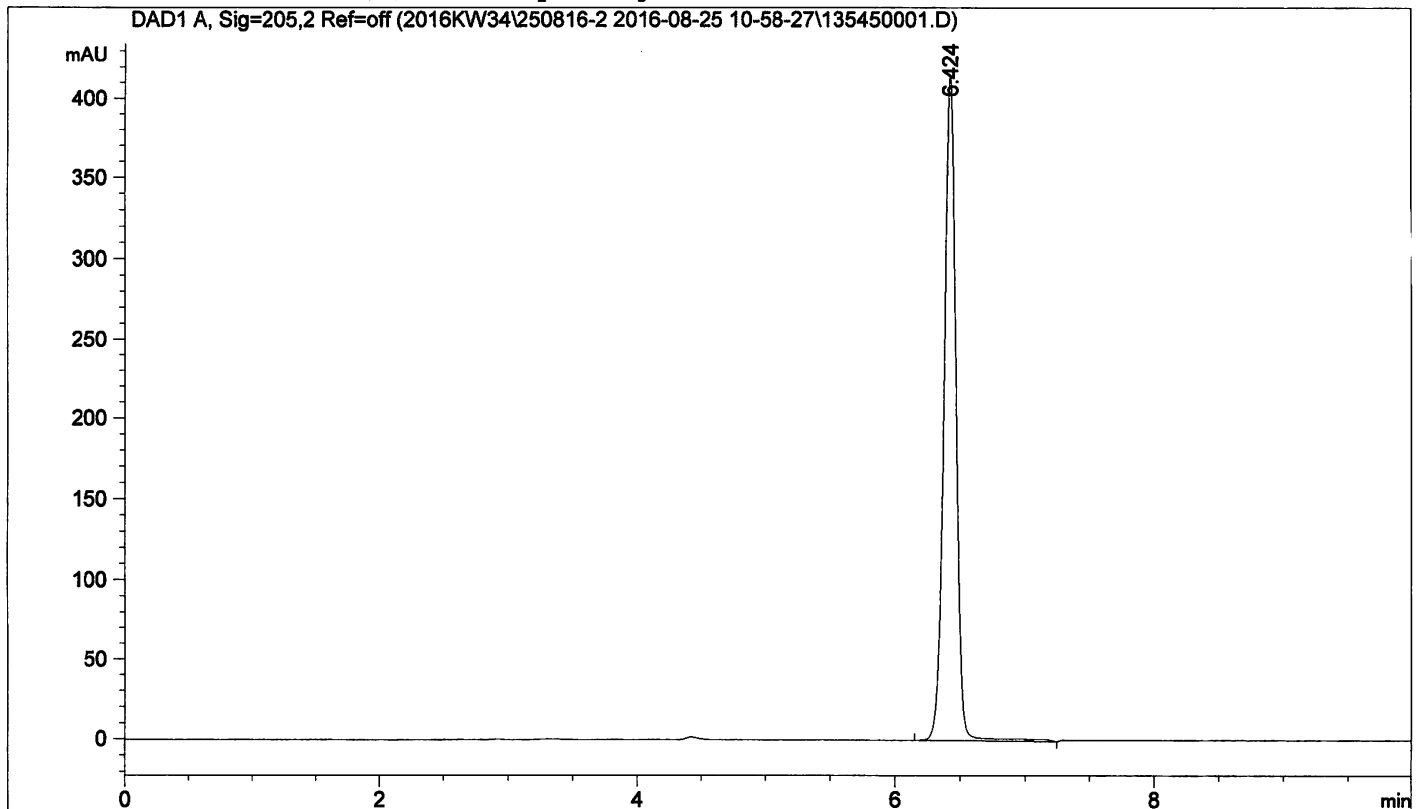
=====
Acq. Operator   : DAD3_Admin                      Seq. Line :    3
Acq. Instrument : DAD3                          Location  : Vial 24
Injection Date  : 25.08.2016 11:21:03           Inj       :    1
                                                    Inj Volume: 10.000 µl
Different Inj Volume from Sequence ! Actual Inj Volume : 3.000 µl
Acq. Method     : C:\CHEM32\1\DATA\2016KW34\250816-2 2016-08-25 10-58-27\91P.M
Last changed    : 10.11.2015 09:51:30 by DAD3_Admin
Analysis Method : C:\CHEM32\1\METHODS\91P.M
Last changed    : 10.11.2015 09:51:30 by DAD3_Admin
Method Info     : Acetonitrile: Water + 0.5% H3PO4 9:1

```

ST.M

Sample Info : (E)-Fenpyroximate

Additional Info : Peak(s) manually integrated



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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

M. Bah

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Height [mAU]	Area %
1	6.424	1	BB	2626.52612	415.85275	100.0000

```
Totals :                2626.52612  415.85275
```