

Certificate of Analysis

Dr. Ehrenstorfer



Reference Materials for Residue Analysis

Product Identification

16659510 Pyriminobac-methyl (E)

CA Benzoic acid,2-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-6-[(1E)-1-(methoxyimino)ethyl]-, methyl ester

IUPAC methyl 2-(4,6-dimethoxy-2-pyrimidinyl)oxy)-6-((1E)-1-methoxyiminoethyl)benzoate

Formula C₁₇H₁₉N₃O₆

Mol.Weight 361.34

CAS No. 147411-69-6

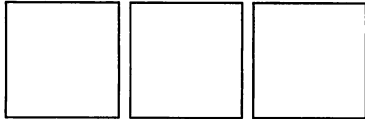
Expiry Date 29.01.2020

Lot Number 41111

Store at 4 °C ±4 °C

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

Toxicological Data



R Code

S Code

LD50 (Rats female/male in mg/kg) >5000

Physical Data

Phase crystalline solid

Color colourless

Melt.Range

Vapour pressure N/A at °C

Solubility in water <1 g/l at 20 °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: 1,66 min.

Method Details:

Acetonitrile:H₂O 4:1

Identity: UV, RT

Comment Purity was confirmed by external standard method.

Water Content Determined by Karl-Fischer Titration

Det. Purity 99,7 % 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 29.01.2015

by V. Wagner

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.

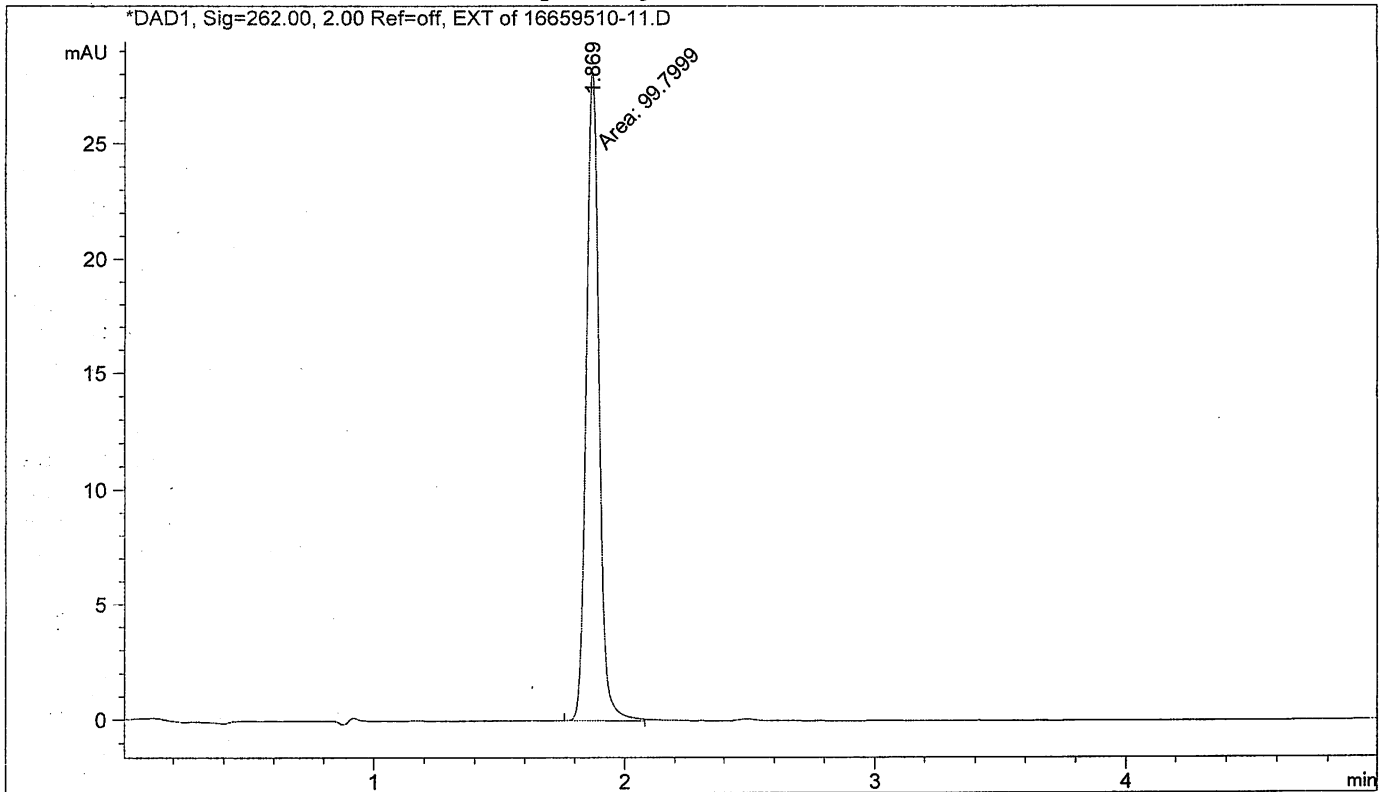
Sample Name: 41112CY 41111

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Acq. Operator   : DAD3_Admin                      Seq. Line :   14
Acq. Instrument : DAD3                          Location  : Vial 65
Injection Date  : 14.11.2014 11:20:46           Inj       :    1
                                                    Inj Volume: 10.000 µl
Acq. Method    : C:\CHEM32\1\DATA\2014KW46\141114-2 2014-11-14 07-35-37\41K.M
Last changed   : 30.07.2012 08:31:30 by DAD3
Analysis Method: C:\CHEM32\1\METHODS\41K.M
Last changed   : 30.07.2012 08:31:30 by DAD3
Method Info    : Acetonitrile : Water 4:1
    
```

Sample Info : Pyriminobac-methyl (E)

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, Sig=262.00, 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 | 1.869 | 1 | MF | 99.79993 | 28.41467 | 100.0000 |

Totals : 99.79993 28.41467