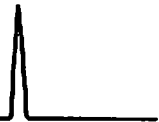


Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

15650000 Norflurazon

CA 3(2H)-Pyridazinone, 4-chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-

IUPAC 4-Chloro-5-methylamino-2-(alpha,alpha,alpha-trifluoro-m-tolyl)pyridazin-3(2H)-one

Formula C₁₂H₉ClF₃N₃O

Mol.Weight 303.67

CAS No. 27314-13-2

Reference Materials for Residue Analysis

Expiry Date 04.09.2016

Lot Number 20904

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 50

S Code 61

LD50 (Rats female/male in mg/kg) >8000

Physical Data

Phase crystalline solid

Color colourless

Melt.Range 177.3 °C

Vapour pressure 0.0028 mPa at 20 °C

Solubility in water 0.028 g/l at 25 °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: 1,40 min.

Method Details:

Acetonitrile:H₂O 4:1

Identity: UV, RT

Comment Purity was determined by external standard method.

Water Content 0,0 % Determined by Karl-Fischer Titration

Det. Purity 94,0 % 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 12.04.2013

by P. Feuerriegel

U. M. B. S.

The Laboratory Labor Dr. Ehrenstorfer-Schäfers is accredited by DAkkS as indicated by the Accreditation Number D-RM-14174-01 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.

Labor Dr. Ehrenstorfer-Schäfers · Bgm.-Schlosser-Str. 6 A · 86199 Augsburg · Germany

Phone +49 821 906080 · Fax +49 821 9060888 · info@analytical-standards.com

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

Sample Name: 30312AL 20904

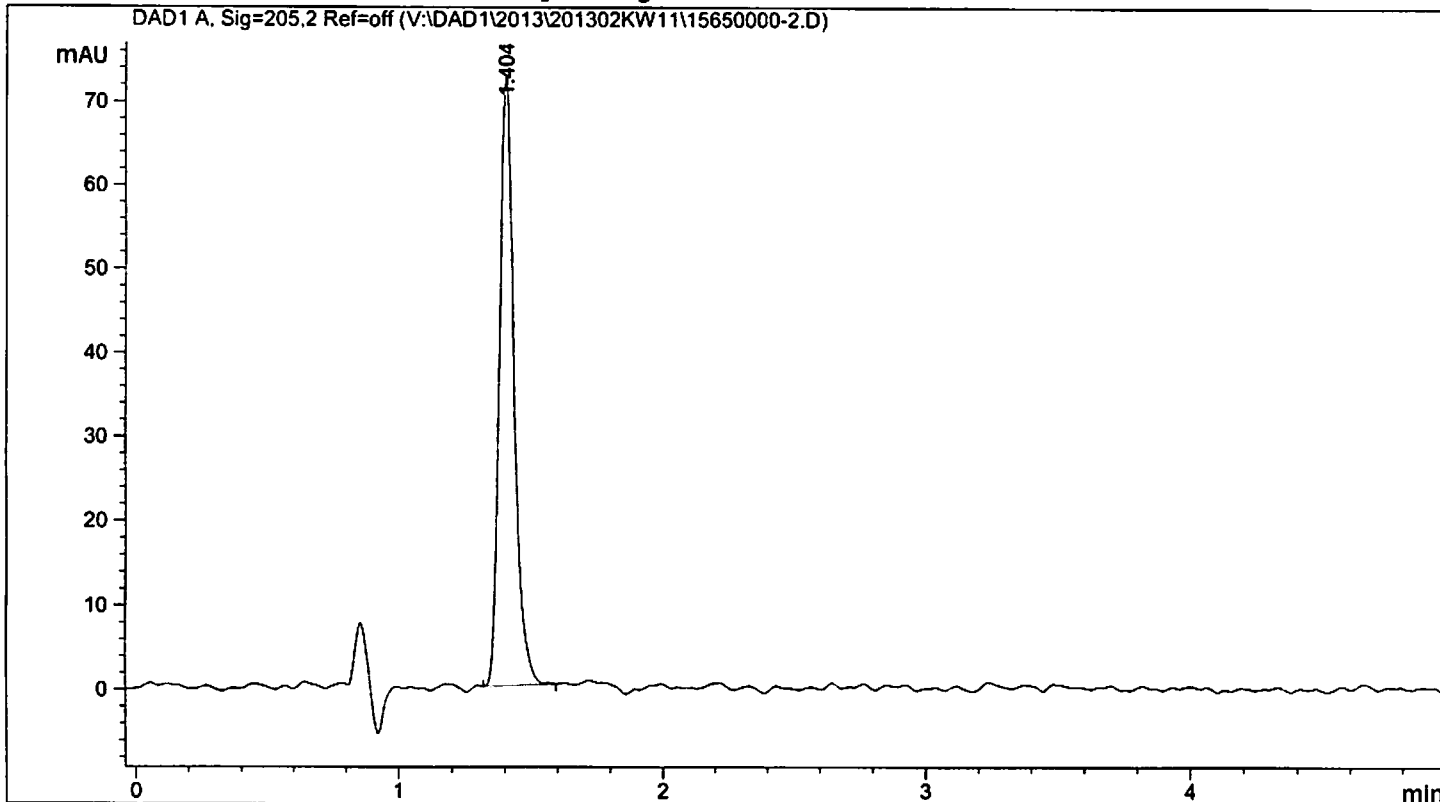
```

=====
Acq. Operator   : DAD1_Admin                      Seq. Line :   35
Acq. Instrument : Instrument 1                    Location  : Vial 46
Injection Date  : 14.03.2013 17:46:29           Inj       :    1
                                                    Inj Volume: 10.000 µl

Acq. Method     : C:\CHEM32\1\METHODS\41K.M
Last changed    : 13.03.2013 15:50:37 by DAD1_Admin
Analysis Method : V:\DAD1\METHODS\41K.M
Last changed    : 13.03.2013 15:50:37 by DAD1_Admin
Method Info     : Acetonitrile : Water 4:1

Sample Info     : Norflurazon
    
```

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

M. Ben

Signal 1: DAD1 A, Sig=205,2 Ref=off

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Height [mAU]	Area %
1	1.404	1	BB	278.33463	72.75676	100.0000

Totals : 278.33463 72.75676

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 *** End of Report ***