

# Certificate of Analysis

Dr. Ehrenstorfer



Reference Material for  
Residue Analysis

## Product Identification

15654000 Noviflumuron

CA Benzamide, N-[[[3,5-dichloro-2-fluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino]carbonyl]-

IUPAC (RS)-1-[3,5-dichloro-2-fluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-3-(2,6-

Formula C<sub>17</sub>H<sub>7</sub>Cl<sub>2</sub>F<sub>9</sub>N<sub>2</sub>O<sub>3</sub>

Mol.Weight 529.1

CAS No. 121451-02-3

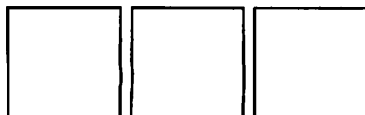
Expiry Date 01.10.2018

Lot Number 30416

Store at 20 °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 156.8 °C

Vapour pressure 7.19 × 10<sup>-8</sup> mPa at 25 °C

Solubility in water <0.1 g/l at 20 °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: 1.91 min.

Method Details:

Acetonitrile:H<sub>2</sub>O+0,5% H<sub>3</sub>PO<sub>4</sub> 9:1

Identity: NMR, RT, UV

Comment purity was confirmed by external standard method

Water Content 0.1 % Determined by Karl-Fischer Titration

Det. Purity 99.0 % 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  $U_c(y) \cdot K$ , 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 01.10.2013

by P. Feuerriegel

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.

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

