

# Certificate of Analysis

Dr. Ehrenstorfer



## Product Identification

15080500 Methoxyfenozide

CA Benzoic acid, 3-methoxy-2-methyl-, 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl)hydrazide

IUPAC N-tert-butyl-N-(3-methoxy-o-toluoyl)-3,5-xylohydrazide

Formula C<sub>22</sub>H<sub>28</sub>N<sub>2</sub>O<sub>3</sub>

Mol.Weight 368.5

CAS No. 161050-58-4

## Reference Materials for Residue Analysis

Expiry Date 28.01.2019

Lot Number 112816

Store at 4 °C ±4 °C

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

## Toxicological Data



R Code 51/53

S Code 53

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

## Physical Data

Phase crystalline solid

Color colourless

Melt.Range 204.7 °C

Vapour pressure <1.48x10<sup>-3</sup> mPa at 20 °C

Solubility in water 0.0003 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: 3.74 min.

Method Details:

Acetonitrile:H<sub>2</sub>O 4:1

Identity: UV, RT

Comment Purity was confirmed by external standard method.

Water Content 0.1 % Determined by Karl-Fischer Titration

Det. Purity 99.0 % 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<sub>c(y)</sub>\*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 15.07.2016

by M. Beck

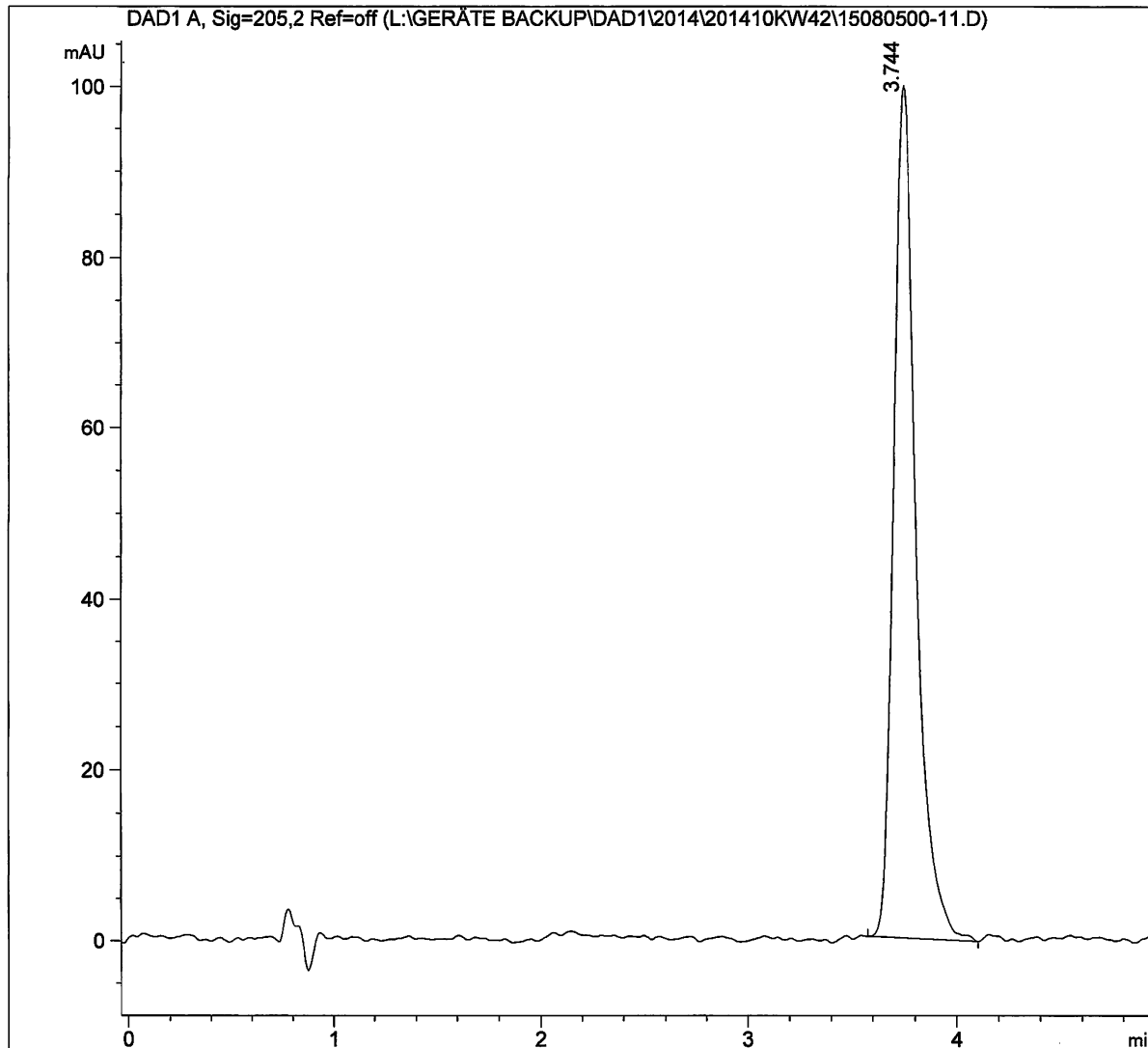
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances 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 : Thu, 23. Oct. 2014          Seq Line : 15  
Sample Info : Methoxyfenozide                  -> Location : Vial 33  
Acq Operator : DAD1\_Admin                      Inj. No. : 1  
   Inj. Vol. : 10 µl

*Bc*

Acq. Method : D:\CHEM32\1\METHODS\41K.M  
Last Changed : Tue, 10. Nov. 2015, 09:42:49 am  
Acetonitrile : Water 9:1



Peak #	RT [min]	Width [min]	Area %	Area	Height
1	3.744	0.113	100.000	742.781	99.897

*A. Beer*