

# Certificate of Analysis

Dr. Ehrenstorfer

## Reference Materials for Residue Analysis

### Product Identification

10450000 Benazolin

CA 3(2H)-Benzothiazoleaceticacid, 4-chloro-2-oxo-

IUPAC 4-Chloro-2,3-dihydro-2-oxo-1,3-benzothiazol-3-ylacetic acid

Formula C9H6ClNO3S

Mol.Weight 243.66

CAS No. 3813-05-6

Expiry Date 27.08.2018

Lot Number 20823

Store at 20 °C ±4 °C

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

### Toxicological Data



R Code 36-38-54

S Code 25-61

LD50 (Rats female/male in mg/kg) 3000

### Physical Data

Phase crystalline solid

Color colourless

Melt.Range 193.3. °C

Vapour pressure 36 nPa calc. at 20 °C

Solubility in water 0.6 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: 2.02 min.

Method Details:

Acetonitrile:H2O+0,5% H3PO4 1:1

Identity: 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  $Uc(y) \cdot K$ , 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 02.11.2012

by P. Feuermiegel



REF. NO.: 2711-01

The Laboratory Labor Dr. Ehrenstorfer-Schäfers is accredited by DGA as indicated by the Accreditation Certificate DGA-PL-4536.00 based on DIN EN ISO/IEC 17025:2005 for the weighing of amounts of substances for the preparation of standard solutions.


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



DGA-PL-4536.00

*2.11*  


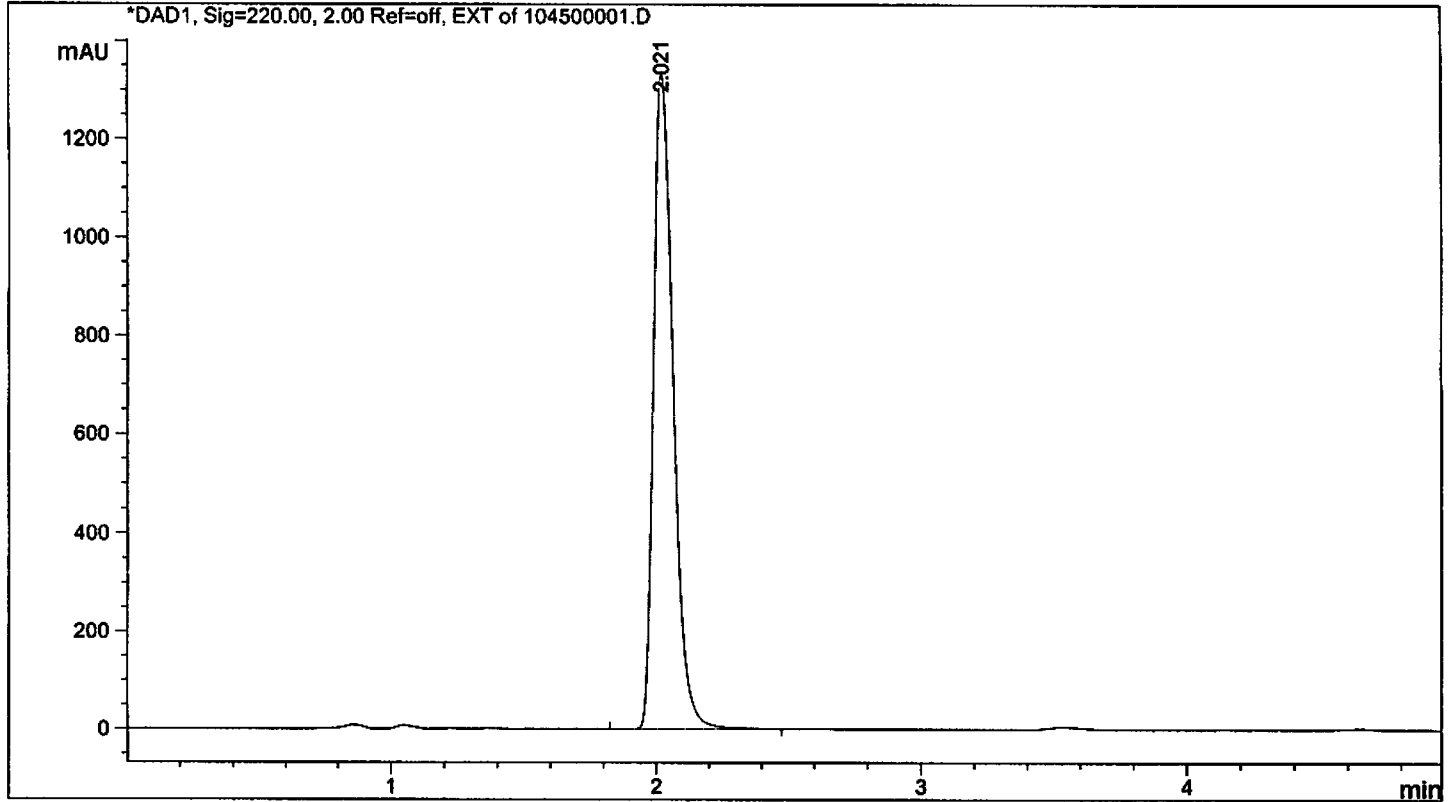
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Acq. Operator   :                               Seq. Line :   18
Acq. Instrument : DAD1                         Location  : Vial 73
Injection Date  : 31.10.2012 11:11:32          Inj       :    1
                                                    Inj Volume: 10.000 µl

Acq. Method     : D:\CHEM32\1\METHODS\11PK.M
Last changed    : 30.03.2012 13:56:29
Analysis Method : E:\GERÄTE_BACKUP\DAD1\METHODS\11PK.M
Last changed    : 30.03.2012 13:56:29
Method Info     : Acetonitrile : Water + 0.5 % H3PO4 1:1

Sample Info     : Benazolin
  
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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

Signal 1: DAD1, Sig=220.00, 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	2.021	1	VV	6931.01270	1336.85376	100.0000

Totals : 6931.01270 1336.85376