

# Certificate of Analysis

Dr. Ehrenstorfer



## Product Identification

10450000 Benazolin

CA 4-Chloro-2-oxo-3(2H)-benzothiazoleacetic acid

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

Formula C<sub>9</sub>H<sub>6</sub>ClNO<sub>3</sub>S

Mol.Weight 243.7

CAS No. 3813-05-6

## Reference Materials for Residue Analysis

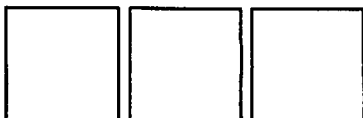
Expiry Date 19.04.2016

Lot Number 10811

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) 3200

## Physical Data

Phase crystalline solid

Color colourless

Melt.Range 200,9 °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: 2,24 min.

Method Details:

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

Identity: UV, RT

Comment Purity was confirmed by external standard method.

Water Content 0,1 % Determined by Karl-Fischer Titration

Det. Purity 98,5 % 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 19.04.2012

by P. Feuerriegel



REF. NO. 1174 - 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

