

Certificate of Analysis

Dr. Ehrenstorfer



Reference Materials for
Residue Analysis

Product Identification

10580500 Bifenox (free acid)

CA 5-(2,4-dichlorophenoxy)-2-nitrobenzoic acid

IUPAC 5-(2,4-dichlorophenoxy)-2-nitrobenzoic acid

Formula C₁₃H₇Cl₂NO₅

Mol.Weight 328.11

CAS No. 53774-07-5

Expiry Date 10.11.2016

Lot Number 10825

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) N/A

Physical Data

Phase crystalline solid

Color yellowish

Melt.Range 169.4 °C

Vapour pressure NA at °C

Solubility in water NA g/l at °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: 2,04 min.

Method Details:

Acetonitrile:H₂O+0,5% H₃PO₄ 4:1

Identity: UV

Comment purity was confirmed by external standard method

Water Content 0,2 % 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 $U_c(y) \cdot K$, 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 23.04.2012

by P. Feuerriegel



RES.102: 2014-01

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

