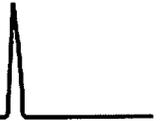


Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

20012300 PCB 123 (2',3,4,4',5-Pentachlorobiphenyl)

CA 1,1'-Biphenyl, 2',3,4,4',5-Pentachloro-

IUPAC 2',3,4,4',5-Pentachlorobiphenyl

Formula C₁₂H₅Cl₅

Mol.Weight 326.44

CAS No. 65510-44-3

Reference Materials for Residue Analysis

Expiry Date 29.08.2018

Lot Number 11117

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 48-53

S Code 60-61

LD50 (Rats female/male in mg/kg) N/A

Physical Data

Phase crystalline solid

Color colourless

Melt.Range

Vapour pressure NA at °C

Solubility in water insol. g/l at °C

Boiling Range (lit.)

Analytical Data

Detection: GC/ECD

Column: DB-5, 30 m, ID 0.25 mm

Inj.-Vol.: 0.20 µl

Flow: 0.2 ml/min

Ret.-Time: 15.16 min.

Method Details:

Injector: 320° C

Start Temperature: 120° C for 4 min

End Temperature: 320° C for 5 min

Gradient: 15° C/min

Identity: RT

Comment Purity was confirmed by external standard method.

Water Content 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 29.08.2012

by C. Neukom



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

