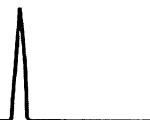


Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

20015300 PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)

CA 1,1'-Biphenyl, 2,2',4,4',5,5'-Hexachloro-

IUPAC 2,2',4,4',5,5'-Hexachlorobiphenyl

Formula C₁₂H₄Cl₆

Mol.Weight 360.88

CAS No. 35065-27-1

Reference Materials for Residue Analysis

Expiry Date 31.01.2017

Lot Number 01220

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) 3650

Physical Data

Phase crystalline solid

Color colourless

Melt.Range 101.7 °C

Vapour pressure N/A at °C

Solubility in water insol. g/l at °C

Boiling Range (lit.)

Analytical Data

Detection: GC/MSD

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

Inj.-Vol.: 1.00 µl

Flow: 1.0 ml/min

Ret.-Time: 19.58 min.

Method Details:

Injector: 280° C

Start Temperature: 60° C for 5 min

End Temperature: 280° C for 1 min

Gradient: 15° C/min

Identity: MS, RT

Comment Purity was confirmed by external standard method.

Water Content 0.1 % Determined by Karl-Fischer Titration

Det. Purity 99.5 % 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 31.01.2011

by Dipl.chem. J. Nöth



REG.NO.: 2874 - 01

The Laboratory Dr. Ehrenstorfer-Schäfers is accredited by DAR 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.

Labor Dr. Ehrenstorfer-Schäfers · Bgm.-Schlosser-Str. 6 A · 86199 Augsburg · Germany

Phone +49 821 906080 Fax +49 821 9060888 info@analytical-standards.com

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



DGA-PL-4536.00

File :D:\2011\20015300 01220-1.D
Operator : JV
Acquired : 20 Jan 2011 16:46 using AcqMethod PESK.M
Instrument : Instrument #1
Sample Name: PCB No. 153, pesk
Misc Info :
Vial Number: 27

Janowski
29 01 11

