

# Certificate of Analysis

Dr. Ehrenstorfer



## Product Identification

10726000 Bromocyclen

CA 5-Bromo-methyl-1.2.3.4.7.7-hexachlorobicyclo[2.2.1]hept-2-ene

IUPAC 5-Bromo-methyl-1.2.3.4.7.7-hexachlorobicyclo[2.2.1]hept-2-ene

Formula C<sub>8</sub>H<sub>5</sub>BrCl<sub>6</sub>

Mol.Weight 393.75

CAS No. 1715-40-8

## Reference Materials for Residue Analysis

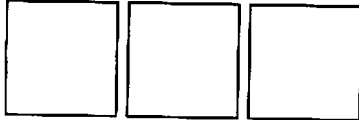
Expiry Date 20.06.2013

Lot Number 70510

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

Vapour pressure N/A at °C

Color colourless

Solubility in water N/A g/l at °C

Melt.Range 71,8 °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: 16,10 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 0,8 % 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 20.06.2007

by Dr. J. Heidrich



Reg. No.: 28/1.01

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.



File :D:\2007\10726000 70510 70531IO-2.D  
Operator : M.S.  
Acquired : 3 Jun 2007 11:19 using AcqMethod PESK.M  
Instrument : Agilent MSD 1  
Sample Name: Bromocyclen, 70510 70531IO, 100ng  
Misc Info :  
Vial Number: 47

VES

