

Certificate of Analysis

Dr. Ehrenstorfer




Product Identification

10400000 Azocyclotin
CA 1H-1,2,4-Triazole, 1-(tricyclohexylstannyl)-
IUPAC Tri(cyclohexyl)-1H-1,2,4-triazol-1-yltin
Formula C₂₀H₃₅N₃Sn
Mol.Weight 436.21
CAS No. 41083-11-8

Reference Materials for Residue Analysis

Expiry Date 25.06.2016
Lot Number 20102
Store at 20 °C ±4 °C

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

Toxicological Data	Physical Data
 R Code 25-26-37/38-41-53 S Code 25-36-60-61 LD50 (Rats female/male in mg/kg) 76-150	Phase crystalline solid Color colourless Melt.Range 207.3 °C Vapour pressure <5 mPa at 25 °C Solubility in water <0.12 g/l at 20 °C Boiling Range (lit.)

Analytical Data	Method Details:
Detection: LC/MSD Column: ReproSil 100 C18 5µ 250x3 Inj.-Vol.: 10.00 µl Flow: 0.5 ml/min Ret.-Time: 1.67 min.	Acetonitrile:H ₂ O+0,15% Formic acid 9:1

Identity: UV, RT
Comment Purity was confirmed by external standard method.
Column: YMC-Pack ODS-AQ 3µm, 150x3mm.

Water Content 0.1 % Determined by Karl-Fischer Titration
Det. Purity 98.0 % Tolerance/Uncertainty +/- 2.0 %
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 25.06.2012
by C. Neukom



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.

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.



Sample Name:

20123ME 20102

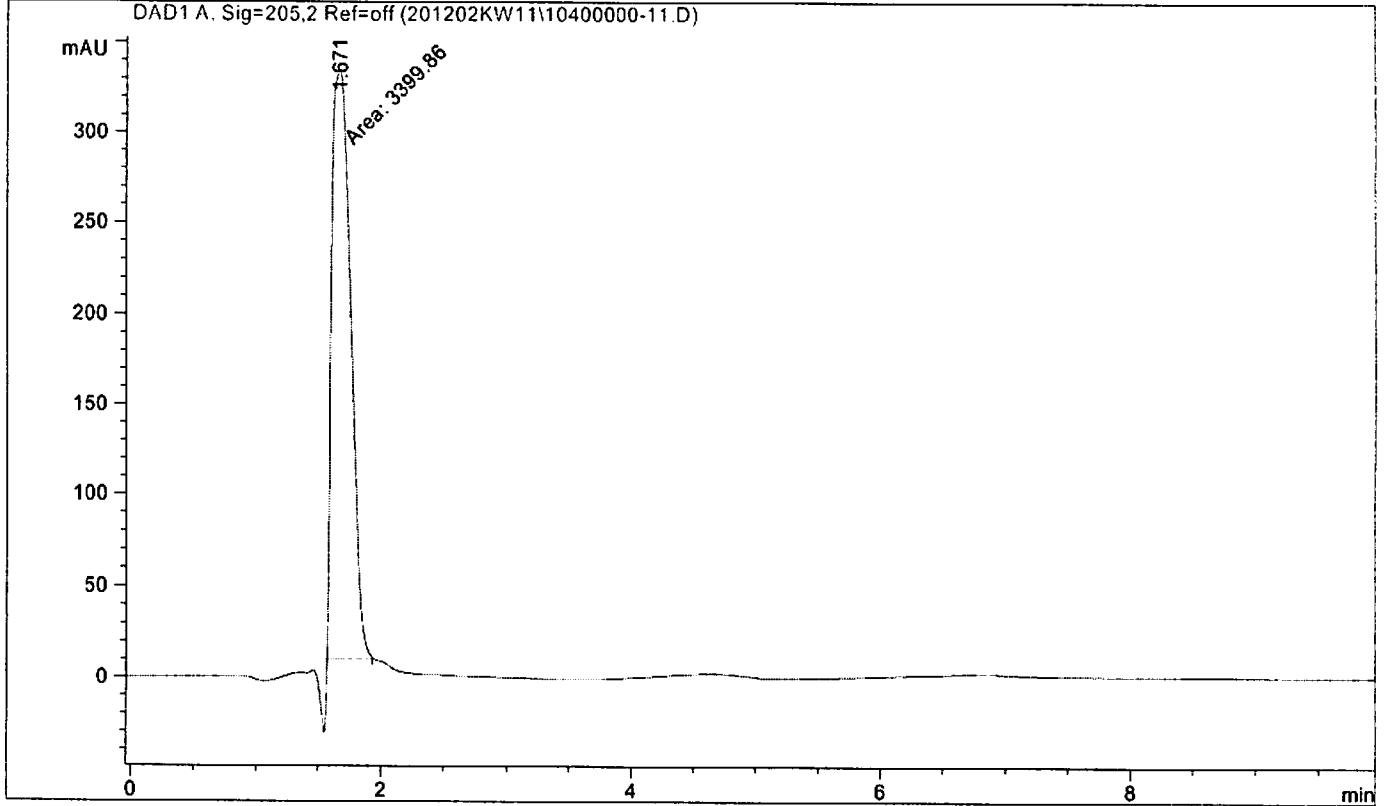
Ule 3.4.12

Azocyclotin (Column: YMC-Pack ODS-AQ, 3µm, 150 x 3 mm)

```

=====
Injection Date   : 16.03.2012 17:45:36           Seq. Line   :    7
Sample Name     :                               Location    : Vial 4
Acq. Operator   :                               Inj         :    1
Acq. Instrument : Instrument 1                   Inj Volume  : 10 µl
Different Inj Volume from Sequence !           Actual Inj Volume : 20 µl
Acq. Method     : D:\CHEM32\1\METHODS\91MS_S2.M
Last changed    : 27.02.2012 16:28:08
Analysis Method : D:\CHEM32\1\METHODS\91MS.M
Last changed    : 20.02.2012 10:00:46
Acetonitrile   : Water 9:1 + Formic acid
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By           :      Retention Time
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: DAD1 A, Sig=205,2 Ref=off

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Height [mAU]	Area %
1	1.671	1	MM T	3399.86328	324.21100	100.0000

```
Totals :                3399.86328  324.21100
```

```

=====
*** End of Report ***
=====

```