

Certificate of Analysis



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

Expiry Date 12.01.2024

Lot Number 161546

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 25-26-37/38-41-53

S Code 25-36-60-61

LD50 (Rats female/male in mg/kg) 76-150

Physical Data

Phase crystalline solid

Color colourless

Melt.Range 208.9 °C

Vapour pressure <5 mPa at 25 °C

Solubility in water <0.12 g/l at 20 °C

Boiling Range (lit.)

Analytical Data

Detection: HPLC/DAD

Column:

Inj.-Vol.: 10.00 µl

Flow: 0.5 ml/min

Ret.-Time: 18.73 min.

Method Details:

Eluent A: Acetonitrile:H₂O 1:9 for 2 min

Eluent B: Acetonitrile 100% for 5 min

Eluent A -> Eluent B: 45 min

Identity: RT, MS, EA, NMR

Comment Purity was confirmed by elemental analysis.

No chromatogram available.

Column: Reprosil 100 CN 5µm 150*3mm

Water Content 0.0 % Determined by Karl-Fischer Titration

Det. Purity 99.5 % 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 12.01.2018

by N. Müller

The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances and in form of single and multi-component solutions organic pure substances.

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