Certificate of Analysis

LGC | DR EHRENSTORFER™

Product Identification

11900000 Cyprazine

CA 1,3,5-Triazine-2,4-diamine, 6-chloro-N2-cyclopropyl-N4-(1-methylethyl)-

IUPAC 6-chloro-N-cyclopropyl-N'-isopropyl-1,3,5-triazine-2,4-diamine

Formula C9H14ClN5

Mol.Weight 227.73

CAS No. 22936-86-3

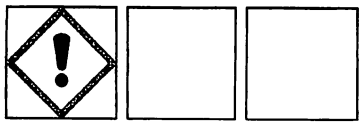
Expiry Date 09.10.2023

Lot Number 451812

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) 2600

Physical Data

Phase	crystalline solid	Vapour pressure N/A at °C
Color	colourless	Solubility in water insol. g/l at °C
Melt.Range	168.3 °C	Boiling Range (lit.)

Analytical Data

Detection: HPLC/DAD

Column: ReproSil 100 C18 5µ 250x3

Inj.-Vol.: 10.00 µl

Flow: 1.0 ml/min

Ret.-Time: **11.66 min.**

Method Details:

Eluent A: Acetonitrile:H2O+0,5% H3PO4 1:9 for 1 min
Eluent B: Acetonitrile 100% for 5 min
Eluent A -> Eluent B: 19 min

Identity: RT, UV, MS, EA, NMR

Comment Main impurity: Propazine

Water Content 0.1 % Determined by Karl-Fischer Titration

Det. Purity 94.9 % 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 Uc(y)*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 20.03.2018

by D. Schmid

Schmid D.

The Laboratory LGC Labor GmbH is accreditated 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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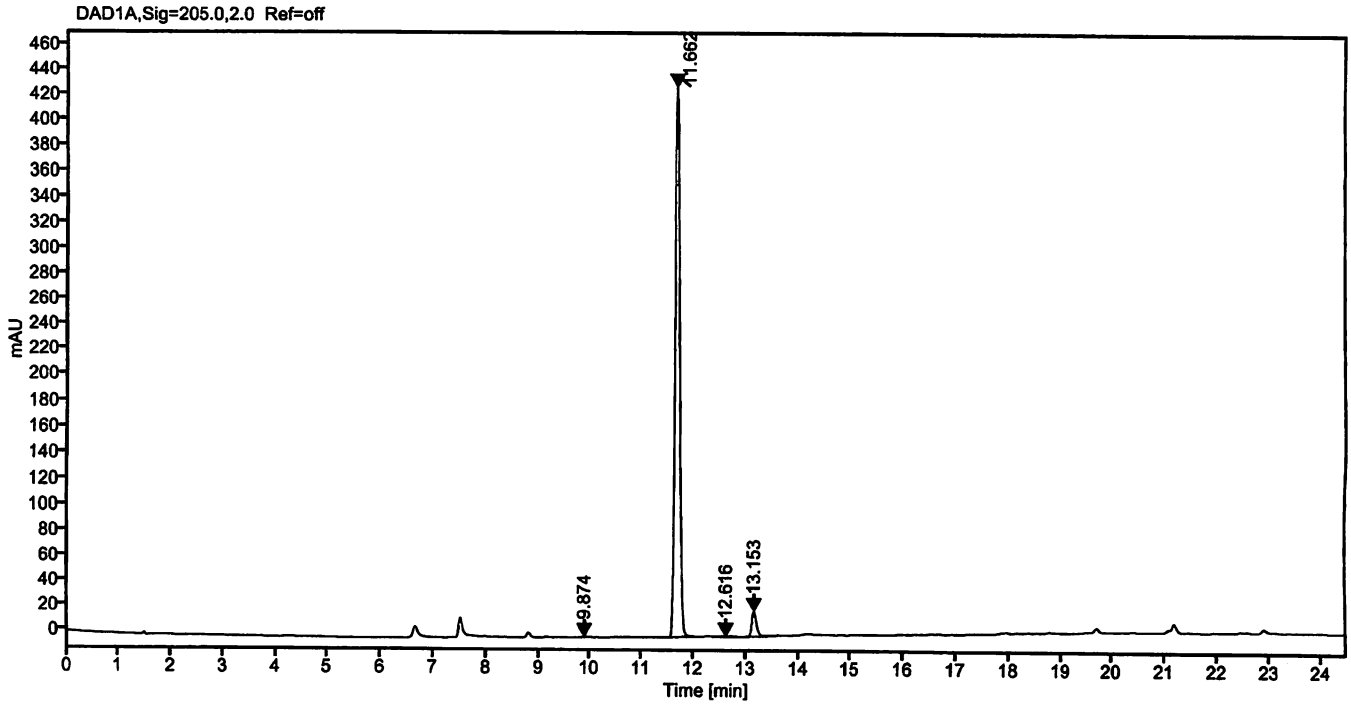
Data file:	11900000-05-r001.dx	**Instrument:**	DAD3
		Sequence Name:	01082017-2
Inj. volume [µl]:	10.0	**Injection date:**	8/1/2017 7:53:28 PM
Acq. method:	Gradient_10-100_PK.amx	**Location:**	37

Sample Description Cyprazine



Signal: DAD1A,Sig=205.0,2.0 Ref=off

Nr.	RT [min]	Area	Height	Area%
1	9.874	2.74622	0.52	0.10
2	11.662	2591.16091	430.69	94.97
3	12.616	12.63858	0.63	0.46
4	13.153	121.80335	20.18	4.46
	Sum	2728.35		

Schmid D.