

# Certificate of Analysis



## Product Identification

10332100 Atrazine-desisopropyl D5 (ethylamino D5)

CA 1,3,5-Triazine-2,4-diamine,6-chloro-N2-ethyl-(D5)

IUPAC 6-Chloro-N2-ethyl(D5)-1,3,5-triazine-2,4-diamine

Formula C5H3ClN5D5

Mol.Weight 178.6


CAS No. 1189961-78-1

Expiry Date 15.02.2024

Lot Number 172257

Store at 20 °C ±4 °C

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

Toxicological Data	Physical Data
 R Code S Code LD50 (Rats female/male in mg/kg) N/A	Phase crystalline solid Color colourless Melt.Range Vapour pressure N/A at °C Solubility in water N/A g/l at °C Boiling Range (lit.)

Analytical Data	Method Details:
Detection: GC/FID Column: DB-5, 30 m, ID 0.25 mm Inj.-Vol.: 2.00 µl Flow: 1.0 ml/min Ret.-Time: 15.67 min.	Injector: 280° C Start Temperature: 60° C for 5 min End Temperature: 280° C for 1 min Gradient: 15° C/min

Identity: RT, MS, UV Comment Chemical purity: 94.3 % Isotopic purity: 98.9% (95.0% D5, 4.4% D4, 0.3% D3)
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Water Content Det. Purity 93.2 %	Determined by Karl-Fischer Titration 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 $Uc(y) \cdot K$ , 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 15.02.2018

by M. Beck

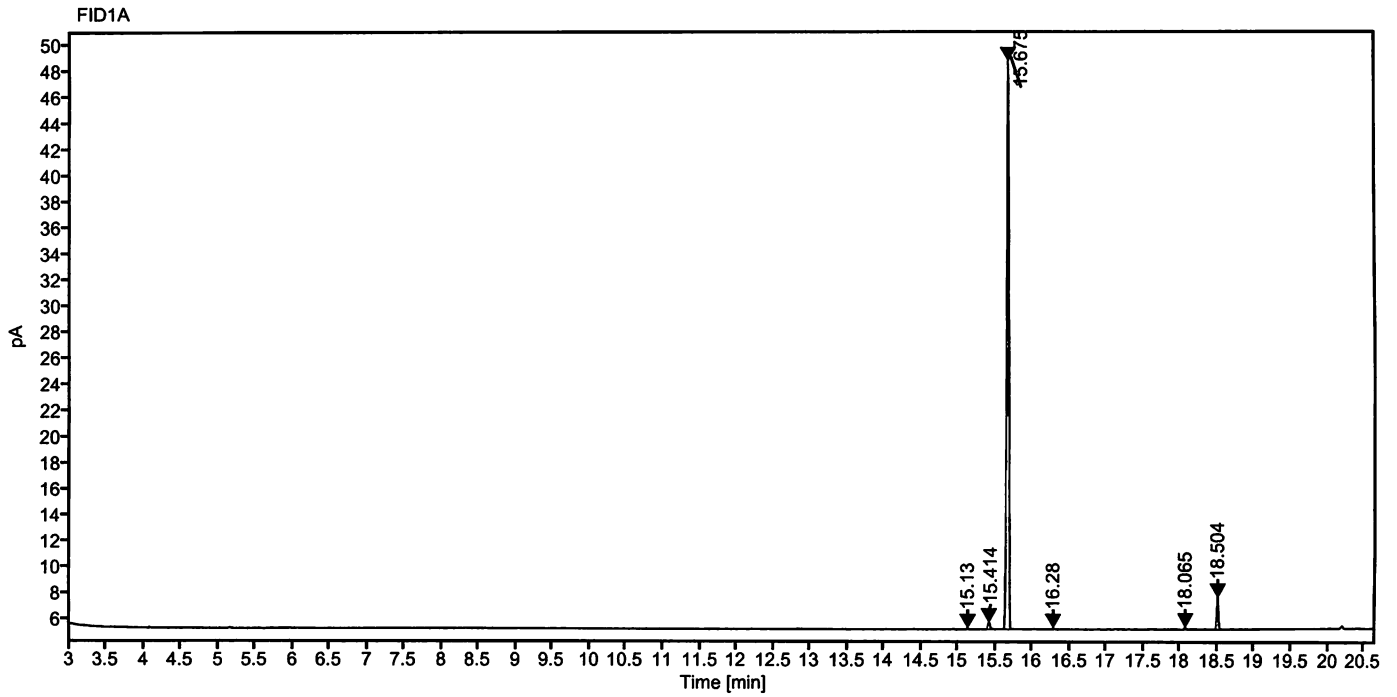
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances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

1/23/2018

Data file: 10332100-02-r001.dx Instrument: FID 3  
Sample name: 80213AL 172257 Sequence Name: 2018KW07-2b  
Inj. volume [µl]: 2.0 Injection date: 2/13/2018 2:08:15 PM  
Acq. method: pesk\_2.amx Location: 44

Sample Description Atrazine-desisopropyl D5 (ethylamino D5)



Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]
1	15.13	0.12491	0.11	0.14	0.015
2	15.41	0.95466	0.54	1.11	0.030
3	15.68	81.37902	43.43	94.20	0.176
4	16.28	0.18657	0.14	0.22	0.017
5	18.07	0.18118	0.16	0.21	0.016
6	18.50	3.56079	2.47	4.12	0.091
	Sum	86.39			