

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

10300250 4-Arsanilic acid
CA Arsonic acid, As-(4-aminophenyl)-
IUPAC 4-Aminobenzenearsonic acid
Formula C₆H₈AsNO₃
Mol.Weight 217.06
CAS No. 98-50-0

Reference Materials for Residue Analysis

Expiry Date 18.10.2021
Lot Number 142946
Store at 20 °C ±4 °C

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

Toxicological Data



R Code 23/25-53
S Code 22-45/46-60-61
LD50 (Rats female/male in mg/kg) 1000

Physical Data

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

Analytical Data

Detection: HPLC/DAD
Column: ReproSil 100 C18 5µ 250x3
Inj.-Vol.: 10.00 µl
Flow: 0.5 ml/min
Ret.-Time: 3.30 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, UV, EA, NMR
Comment Column: Nucleodur Phenyl-Hexyl 3 mm 250 x 3 mm

Water Content Determined by Karl-Fischer Titration
Det. Purity 98.0 % Tolerance/Uncertainty +/- 1.0 %

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 18.10.2017
by Dr. K. Wörmann

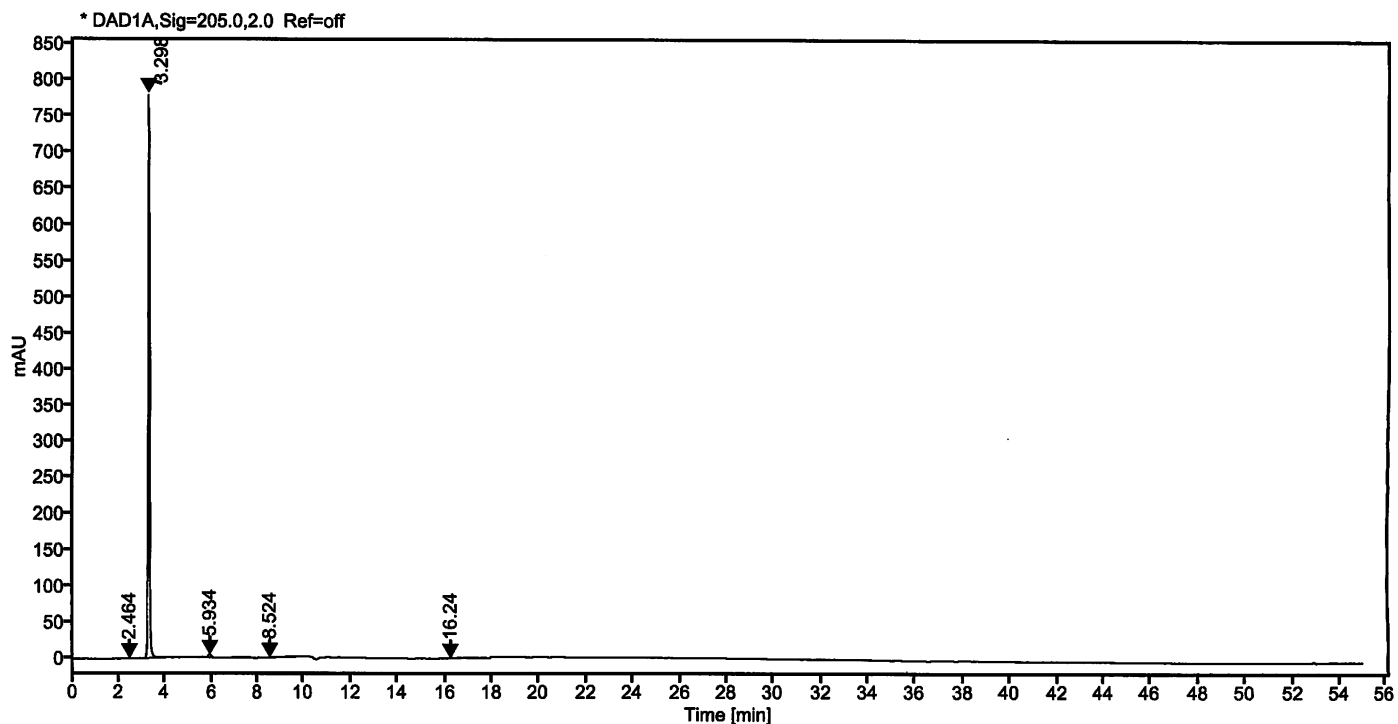
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances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

17.10.17
KC

Data file: 10300250-05-r001.dx Instrument: DAD4
Sample name: 70728WA 142946 Sequence Name: 16102017-Phenyl-Hexyl
Inj. volume [µl]: 3.0 Injection date: 10/16/2017 6:24:33 PM
Acq. method: Gradient_10-100_P_S2.amx Location: 59

Sample Description 4-Arsanilic acid
Column: Nucleodur Phenyl-Hexyl 3 mm 250 x 3 mm



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

Nr.	RT [min]	Area	Height	Area%
1	2.464	5.24285	1.38	0.17
2	3.298	3008.45518	781.56	98.15
3	5.934	33.85261	4.48	1.10
4	8.524	13.43893	1.04	0.44
5	16.240	4.10133	0.62	0.13
	Sum	3065.09		

K. Minner