

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

10207700 2-Amino-6-nitrotoluene

CA 2-Methyl-3-nitroaniline

IUPAC 2-Amino-6-nitrotoluene

Formula C₇H₈N₂O₂

Mol.Weight 152.15

CAS No. 603-83-8

Reference Materials for Residue Analysis

Expiry Date 16.10.2023

Lot Number 142384

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 23/24/25-33-51/53

S Code 28-36/37-45-61

LD50 (Rats female/male in mg/kg) N/A

Physical Data

Phase crystalline solid

Color yellowish

Melt.Range dec. 88,1 °C

Vapour pressure N/A at °C

Solubility in water N/A g/l at °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: 10.22 min.

Method Details:

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

Eluent B: Acetonitrile 100% for 5 min

Eluent A -> Eluent B: 19 min

Identity: UV, RT, MS

Comment

Water Content 0.1 % Determined by Karl-Fischer Titration

Det. Purity 99.2 % Tolerance/Uncertainty +/- 0.5 %

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 16.10.2017

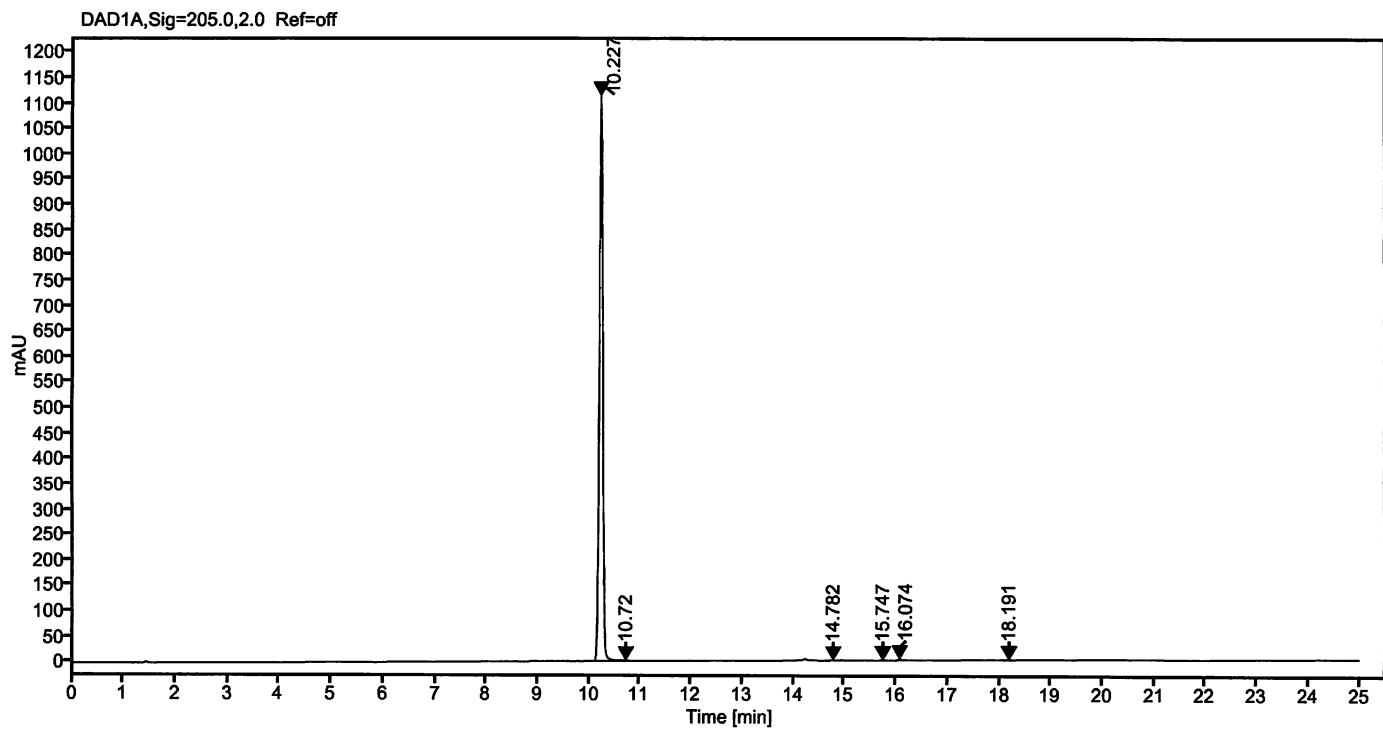
by M. Beck

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.

1610 KJ

Data file: 10207700-09-r001.dx Instrument: DAD3
Sample name: 71013AL 142384 Sequence Name: 13102017-Gradient
Inj. volume [µl]: 10.0 Injection date: 10/15/2017 1:06:08 PM
Acq. method: Gradient_10-100_K.amx Location: 40
Sample Description 2-Amino-6-nitrotoluene



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

Nr.	RT [min]	Area	Height	Area%
1	10.227	5206.74307	1111.76	99.32
2	10.720	13.94309	1.49	0.27
3	14.782	3.80138	0.62	0.07
4	15.747	3.67646	0.86	0.07
5	16.074	10.56173	2.56	0.20
6	18.191	3.66807	0.77	0.07
Sum		5242.39		

G. Ber