

Certificate of Analysis

Product Name: 2-NAPHTHYLAMINE
analytical standard
Product Number: 31618
Batch Number: BCBZ3240
Brand: Sigma-Aldrich
CAS Number: 91-59-8
Formula: C₁₀H₇NH₂
Formula Weight: 143.19
Expiration Date: AUG 2021
Quality Release Date: 13 SEP 2018

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	LIGHT BROWN TO DARK BROWN AND LIGHT PURPLE TO DARK PURPLE	DARK BROWN
APPEARANCE (FORM)	POWDER OR CRYSTALS	POWDER
PURITY (HPLC AREA %)	≥ 95.0 %	97.0 %
MELTING POINT	107 - 112 C	108 C
PROTON NMR SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS



Dr. Claudia Geitner
Manager Quality Control
Buchs, Switzerland

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

31618 2-Naphthylamine

Lot Number: **BCBZ3240**

Sample Name: **00000000637592_001_LC**

Dionex Ultimate 3000

Pump : DGP-3600A
Autosampler: WPS-3000
Detector: VWD-3400
Column: Supelco Ascentis Express C18, 2.7 μ m
Column Dim.: 100 x 4.6 mm
Mobile Phase:
 %A : Acetonitril
 %B : HPS pH 2,4
 %C : %C
 %D : n.a.

Gradient : see Figure 1

Sample Prep.: 0.2 mg sample in 1 mL acetonitrile

Injection Time: 27.07.18 11:10
Processed By: Markus Urthaler
Vial Number: BA2
Column S/N: -
Sample Type: unknown
Injection Volume: 1.0 μ l
Flow: 1.5 ml/min
Column Temp. (°C): 25.0
Run Time: 20.00 min

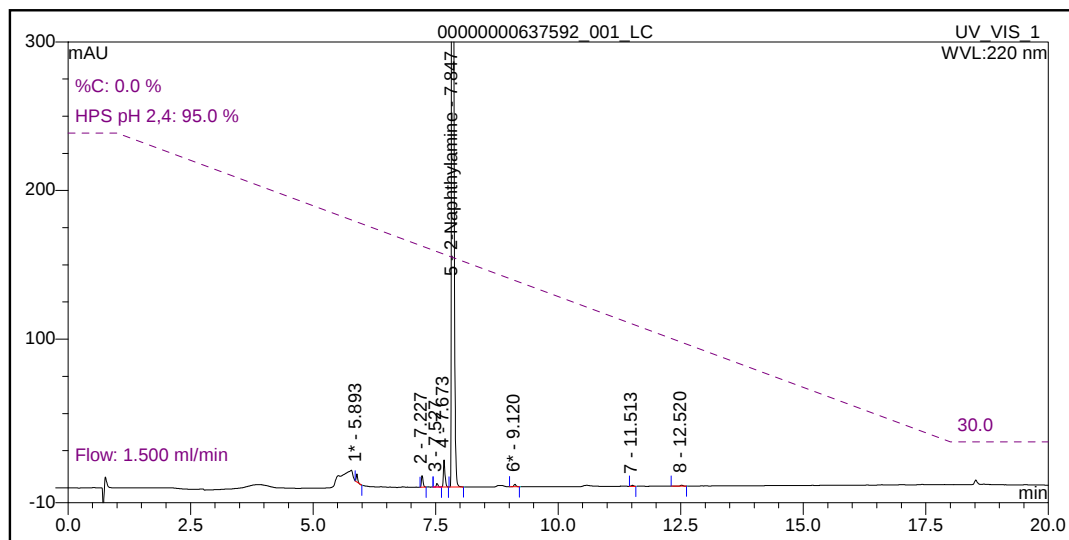


Figure 1: Zoomed Chromatogram

No.	Ret. Time min	Peak Name	Area mAU*min	Height mAU	Amount	Rel.Area %
1	5.893	n.a.	0.18375	5.49489	n.a.	0.38
2	7.227	n.a.	0.29598	7.81739	n.a.	0.60
3	7.527	n.a.	0.09684	2.32952	n.a.	0.20
4	7.673	n.a.	0.73245	18.37408	n.a.	1.49
5	7.847	2-Naphthylamine	47.52849	1136.19961	n.a.	97.00
6	9.120	n.a.	0.08554	1.68934	n.a.	0.17
7	11.513	n.a.	0.03187	0.66191	n.a.	0.07
8	12.520	n.a.	0.04336	0.64572	n.a.	0.09
Total:			48.99828	1173.21246		100.00

Table 1: Integration