

Certificate of Analysis

Product Name: 2,6-DIMETHYLANILINE
PESTANAL™, analytical standard
Product Number: 36766
Batch Number: BCBW2126
Brand: Sigma
CAS Number: 87-62-7
Formula: (CH₃)₂C₆H₃NH₂
Formula Weight: 121.18
Expiration Date: NOV 2022
Quality Release Date: 26 MAR 2018

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	FAINT YELLOW TO VERY DARK YELLOW AND FAINT BROWN-YELLOW TO VERY DARK BROWN-YELLOW	COLORLESS
APPEARANCE (FORM)	LIQUID	LIQUID
PURITY (GC AREA %)	≥ 98.0 %	99.9 %
REFRACTIVE INDEX N20/D	1.5590 - 1.5630	1.5607
PROTON NMR SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS



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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.

36766 2,6-Dimethylaniline

Lot Number: BCBW2126

Sample Name: 00000000614768_001_GC

Shimadzu GC-2010 Plus

Injector : 250 °C
Detector (FID): 280 °C
Carriergas: Helium
Velocity: 40.0 cm/s
Temp. Control: see Figure 1
Split Ratio: 100:1
Range: -
Injection Volume: 1.0 µl
Vial Number: 12
Run Time: 20.00 min
Column: Equity-1701, 30 m x 0.25 mm, 1.0 µm
Sample Prep.: ca.10 mg sample in 1 ml methylene chloride

GC Serial Number: C11805270285 US
Injection Time: 06.12.17 14:52
Sample Type: unknown
Channel: GC_2
Sequence Creation Time: 04.12.17 16:00
Sequence Created By: Mirela Brdanovic
Time Processed: 27.03.18 08:24
Processed By: Markus Urthaler

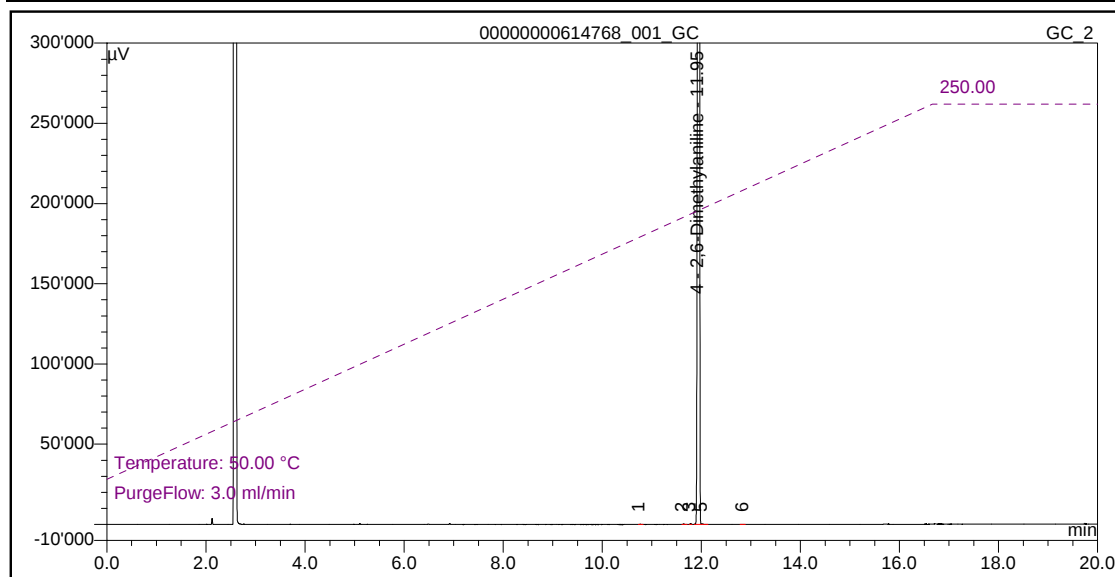


Figure 1: Zoomed Chromatogram and Temperatur Program

No.	Ret.Time min	Peak Name	Type	Height µV	Area µV*min	Amount	Rel.Area %
1	10.764	n.a.	BMB*	224	6.3625	n.a.	0.007
2	11.642	n.a.	BMB*	433	14.0558	n.a.	0.015
3	11.785	n.a.	BMB	557	15.3408	n.a.	0.016
4	11.953	2,6-Dimethylaniline	BM *	3052398	94560.9779	n.a.	99.941
5	12.021	n.a.	MB*	402	16.2604	n.a.	0.017
6	12.858	n.a.	BMB*	97	3.6983	n.a.	0.004
Total:				3054111	94616.6958		100.000