

Certificate of Analysis

Product Name: 2,6-DIMETHYLPHENOL
PESTANAL™, analytical standard
Product Number: 36715
Batch Number: BCBZ9070
Brand: Sigma-Aldrich
CAS Number: 576-26-1
Formula: (CH₃)₂C₆H₃OH
Formula Weight: 122.16
Expiration Date: NOV 2023
Quality Release Date: 20 DEC 2018

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE TO FAINT YELLOW	COLORLESS/WHITE
APPEARANCE (FORM)	POWDER OR CRYSTALS	CRYSTALS
PURITY (GC AREA %)	≥ 98.0 %	99.9 %
MELTING POINT	43 - 49 C	46C
WATER	≤ 1.0 %	0.12%
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.

36715 2,6-Dimethylphenol

Lot Number: BCBZ9070

Sample Name: 00000000564428_001_GC

Shimadzu GC-2010 Plus

Injector :	250 °C	GC Serial Number:	C11805270206 US
Detector (FID):	320 °C	Injection Time:	09.08.16 01:25
Carriergas:	Helium	Sample Type:	unknown
Velocity:	40.0 cm/s	Channel:	GC_1
Temp. Control:	see Figure 1	Sequence Creation Time:	23.07.18 14:32
Split Ratio:	100:1	Sequence Created By:	Markus Urthaler
Range:	-	Time Processed:	03.01.19 08:07
Injection Volume:	1.0 µl	Processed By:	Markus Urthaler
Vial Number:	38		
Run Time:	20.00 min		
Column:	Equity-5, 30 m x 0.25 mm, 1.0 µm		
Sample Prep.:	ca 10 mg sample in 1 ml methylene chloride		

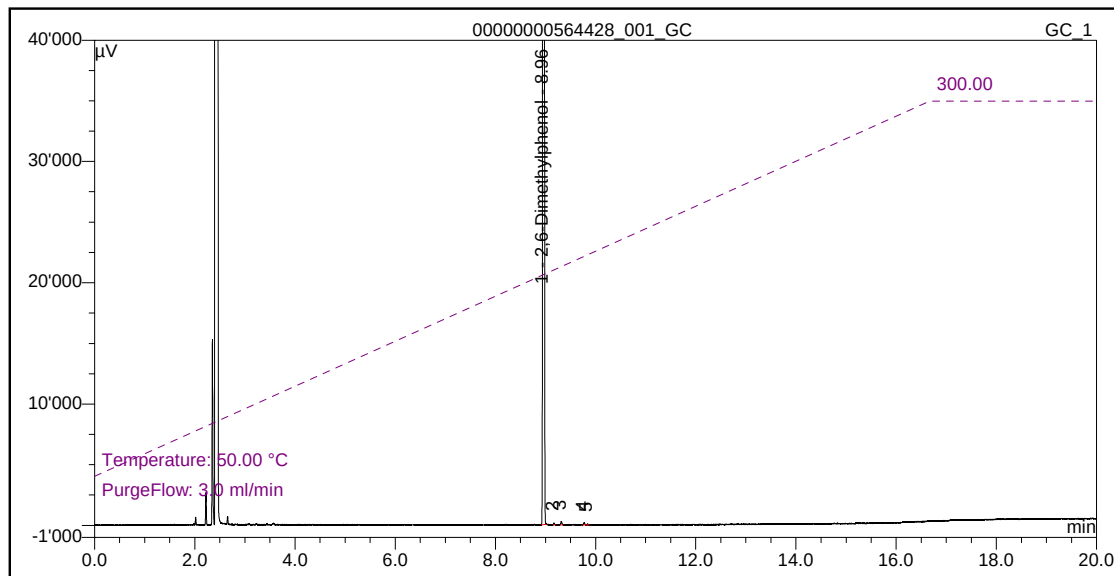


Figure 1: Zoomed Chromatogram and Temperatur Program

No.	Ret.Time min	Peak Name	Type	Height µV	Area µV*min	Amount	Rel.Area %
1	8.963	2,6-Dimethylphenol	BMB*	461685	10395.1567	n.a.	99.858
2	9.170	n.a.	BMB*	127	2.4808	n.a.	0.024
3	9.318	n.a.	BMB*	289	6.9267	n.a.	0.067
4	9.773	n.a.	BMB*	196	4.2408	n.a.	0.041
5	9.839	n.a.	BMB*	62	1.1075	n.a.	0.011
Total:				462359	10409.9125		100.000