



CERTIFICATE OF ANALYSIS

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1. Identification

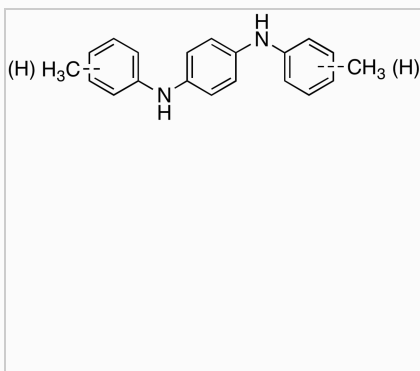
Catalogue Number: B400038

CAS Number: 27417-40-9

Product: N,N"-Bis(methylphenyl)-1,4-benzenediamine (Technical Grade)

Synonym: 1,4-Benzenediamine, N,N'-bis(methylphenyl)- (9CI); p-Phenylenediamine, N,N'-ditolyl- (8CI); N1,N4-Bis(methylphenyl)-1,4-benzenediamine; DMPD; N,N'-Bis(methylphenyl)-1,4-benzenediamine; N,N'-Bis(methylphenyl)-p-phenylenediamine; N,N'-Di(monomethylphenyl)-p-phenylenediamine; N,N'-Ditolyl-1,4-phenylenediamine; N,N'-Ditolyl-p-phenylenediamine

Structure:



Molecular Formula:

C₂₀H₂₀N₂

Molecular weight:

288.39

Source of Product:

N/A

Solubility:

Acetone (Slightly), Methanol (Slightly)

Lot Number: 711960917-1-1

Purity: Technical Grade

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Dark Beige to Very Dark Brown Solid	Very Dark Beige to Very Dark Brown Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 83.13, %H: 6.51, %N: 9.78

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Rami Dhanoa	2/26/2024	2/24/2028