



CERTIFICATE OF ANALYSIS

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1. Identification

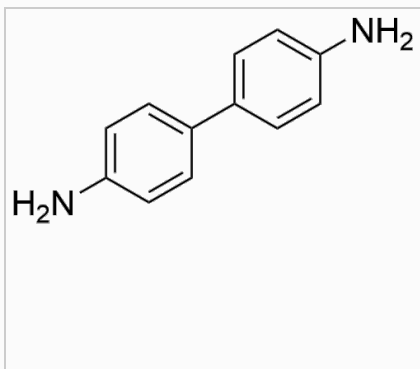
Catalogue Number: B121000

CAS Number: 92-87-5

Product: Benzidine, 95%

Synonym: [1,1'-Biphenyl]-4,4'-diamine; 4,4'-Bianiline; 4,4'-Biphenyldiamine; 4,4'-Diamino-1,1'-biphenyl; 4,4'-Diaminobiphenyl; 4,4'-Diaminodiphenyl; NSC 146476;

Structure:



Molecular Formula:

C₁₂H₁₂N₂

Molecular weight:

184.24

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 711941159-1-1

Purity: 95%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	95.43% (200 nm)
MS	Conforms to Structure	Conforms
Appearance	Light Beige to Black Solid	Dark Brown to Very Dark Brown Solid
UV Absorbance	Report Result	206 nm, 286 nm
Elemental Analysis	Conforms	%C: 71.08, %H: 6.60, %N: 13.82

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
swathi reddy	Toni Rantanen	Chanell Chu	3/21/2024	3/19/2028