



CERTIFICATE OF ANALYSIS

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1. Identification

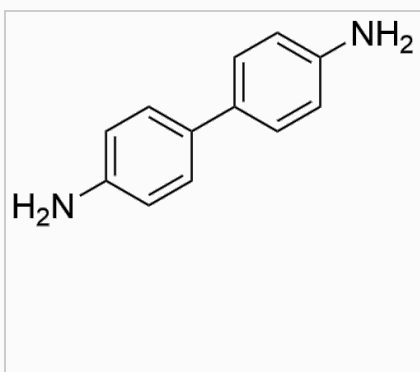
Catalogue Number: B121000

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 (Sparingly), Methanol (Sparingly)

Lot Number: 2023-QIU-096

Purity: 98%

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:
Appearance	Light Beige to Black Solid	Very Dark Grey to Black Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 77.01, %H: 6.39, %N: 14.87
HPLC Purity	Report Result	100.00% (220 nm)
MS	Conforms to Structure	Conforms
UV Absorbance	Report Result	209 nm, 287 nm

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
Henry Tieu	Toni Rantanen	Chanell Chu	2/15/2023	2/13/2027