



CERTIFICATE OF ANALYSIS

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1. Identification

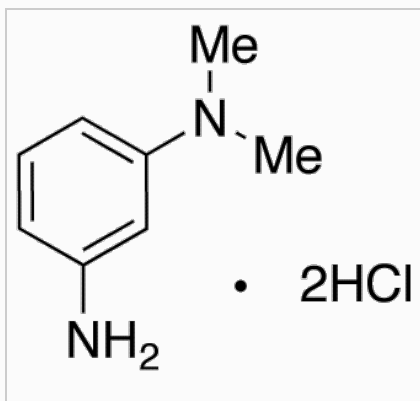
Catalogue Number: D476750

CAS Number: 3575-32-4

Product: N,N-Dimethyl-m-phenylenediamine, Dihydrochloride

Synonym: N,N-Dimethyl-1,3-phenylenediamine Dihydrochloride; 3-Dimethylaminoaniline Dihydrochloride;

Structure:



Molecular Formula:

C₈H₁₄ClN₂

Molecular weight:

209.12

Source of Product:

Synthetic

Solubility:

Aqueous Base (Slightly),
DMSO (Slightly), Methanol
(Slightly), Water

Lot Number: 2-NNL-3-1

Purity: 97%

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

Storage Condition: -20°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Light Yellow Solid	Off-White to Pale Yellow Solid
Melting Point	Report Result	>206°C (dec.)
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 46.11, %H: 7.33, %N: 13.42
MS	Conforms to Structure	Conforms
Chloride Content	Report Result	32.75% by Ion Chromatography
HPLC Purity	>95%	99.88%

Additional Information: NA

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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
Eric Beaton	Xue Jing Zheng	Clarissa Santos	10/24/2018	10/22/2028

