



CERTIFICATE OF ANALYSIS

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1. Identification

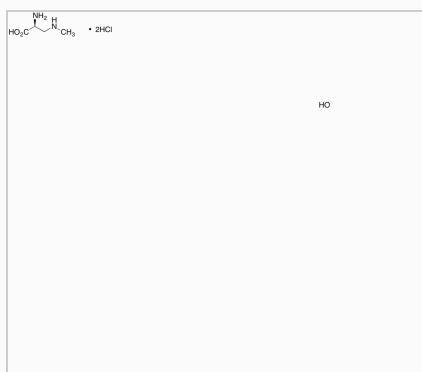
Catalogue Number: M285550

CAS Number: NA

Product: β -Methylamino-L-alanine
Dihydrochloride

Synonym: 2-Amino-3-(methylamino)propanoic Acid
Dihydrochloride; S(+)- β -Methyl- α,β -
diaminopropionic Acid Dihydrochloride; BMAA
Dihydrochloride;

Structure:



Molecular Formula:

C₄H₁₀N₂O₂ •2(HCl)

Molecular weight:

118.13 +2(36.46)

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water
(Slightly)

Lot Number: 711870284-1-1

Purity: 98%

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:
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 25.31, %H: 6.24, %N: 14.48
HPLC Purity	Report Result	98.07% (ELSD)
MS	Conforms to Structure	Conforms
Appearance	White to Light Brown Waxy Solid to Solid	White to Off-White Solid
Chloride Content	Report Result	35.3%
Specific Rotation	Report Result	+23.1° (c = 0.1, Water)

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
Sarbjit Kaur	Toni Rantanen	Chanell Chu	9/22/2023	9/20/2027

Sarbjit Kaur

Toni Rantanen

Chanell Chu