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## CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2024

Re-test Date: Oct 2027

**Product Name: Cyclophosphamide USP Related Compound A**

### Identification:

Chemical Name: Bis(2-chloroethyl)amine hydrochloride

Synonyms : Cyclophosphamide EP Impurity C

CAS Number : 821-48-7

CAT Number : CP-C37001

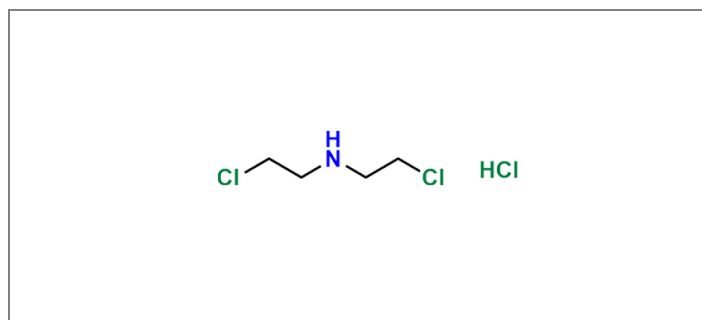
Molecular Formula : C<sub>4</sub>H<sub>9</sub>Cl<sub>2</sub>N : HCl

Molecular Weight : 142.0 : 36.46

Batch Number : CP-CYC-RC-A-0624

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to structure
4)	Purity By GC	97.70%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	FT-IR	Confirm to Structure
7)	Weight loss by TGA	0.112%
8)	Potency	97.59%



### Prepared and Reviewed By

Mr. Shubham Bondre  
(Quality Control)

### Approved By

Mr. Abhijit Kale  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.