Certificate Of Analysis

Analysis Date: 19-03-2025 **Re-test Date:** 19-03-2028

CARMUSTINE EP IMPURITY A

Identification

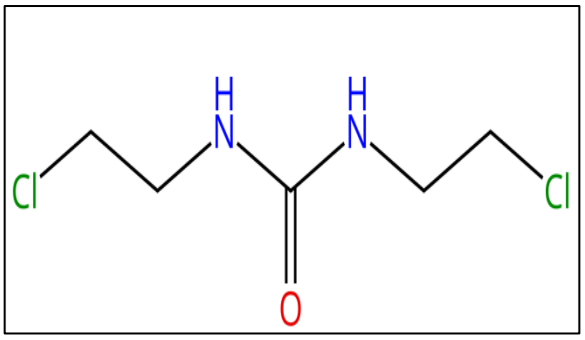
Chemical Name : 1,3-Bis(2-chloroethyl)urea (as per EP & USP)

CAT No : ALL-CAR-4724

CAS No : 2214-72-4

Molecular Formula : C5H10Cl2N2O

Molecular Weight : 185



Analytical Information

Batch Code	: ALL-CAR-4724	**HPLC Purity**	: 98.01%
Solubility	: METHANOL	**Potency**	: 97.45%
Appearance of Product	: Off White Solid	**Mass**	: Confirm
Long Term Storage	: 2-8^{0}C	**IR Analysis**	: Confirm
Weight Loss By TGA	: 0.217%	**1HNMR**	: Confirm
Residue Of Ignition	: 0.350%		

Additional Information

%Potency = [100 -(Inorganic Impurities % + Water %) × Chromatographic Purity%]/100 =

[100 – (0.217+ 0.350× 98.01]/100= 97.45%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Swapnil Kausatkar Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, 1H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office

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