Certificate Of Analysis

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

CARMUSTINE

Identification

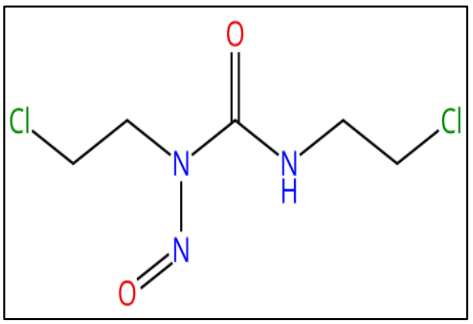
Chemical Name : 1,3-Bis(2-chloroethyl)-1-nitrosourea (as per EP & USP)

CAT No : ALL-CAR-4938

CAS No : 154-93-8

Molecular Formula : C5H9Cl2N3O2

Molecular Weight : 214



Analytical Information

Batch Code	: ALL-CAR-4938	**HPLC Purity**	: 98.06%
Solubility	: METHANOL	**Potency**	: 97.14%
Appearance of Product	: Off White Solid	**Mass**	: Confirm
Long Term Storage	: 2-8^{0}C	**IR Analysis**	: Confirm
Weight Loss By TGA	: 0.368%	**1HNMR**	: Confirm
Residue Of Ignition	: 0.564%		

Additional Information

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

[100 – (0.368+ 0.564× 98.06]/100= 97.14%

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

Allmpus Laboratories Pvt Ltd 38, Solitaire Industrial Estate, Plot No.TS-1, Near Nandi Palace Hotel, MIDC-Phase 1, Dombivli (E),Mumbai, Maharashtra 421203