



SWAPNROOP DRUGS & PHARMACEUTICALS

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CERTIFICATE OF ANALYSIS

Product Name	Chem_Cyclophosphamide IP_COA	CAS No:	50-18-0
Batch No.	2605001	Manufactured by	-
Date of Mfg.	MAY-2026	Date of Analysis	20/05/2026
Batch Quantity	-	Retest Date	APR-2031

Sr No	Test	Acceptance Criteria	Results
1	Description	A white or almost white, crystalline powder.	White crystalline powder
2	Solubility	Freely soluble in ethanol (95%), soluble in water, slightly soluble in ether.	Complies
3	Identification – By IR	Infrared absorption spectrum should be concordant with the reference spectrum of Cyclophosphamide Working Standard.	Complies
4	Identification – By TLC	Principal spot corresponds to the reference solution in the related substances test.	Complies
5	Identification – By Chemical Test	A white precipitate should be produced.	Complies
6	Appearance of Solution	Solution should be clear & not more intensely colored than reference solution YS6	Complies
7	pH	Between 4.0 to 6.0	4.64
8	Related substance (By TLC)	Any secondary spot in the chromatogram obtained with test solution (a) is not more intense than the spot in the chromatogram obtained with reference solution (a).	Complies
9	Heavy Metal	Not more than 20 ppm	Less than 20 ppm
10	Chloride	Between 5.8% to 7.0%	6.37%
11	Assay (By Titrimetry)	98.0% to 102.0%, on anhydrous basis.	99.36%
12	Residual Solvents (By GCHS) Dichloromethane	Not more than 600 ppm	Not Detected
13	Residual Solvents (By GCHS) Ethyl Acetate	Not more than 5000 ppm	123 ppm
14	Residual Solvents (By GCHS) Di-Isopropyl ether	Not more than 5000 ppm	81 ppm

Storage: Store in air tight container below room Temperature

Conclusion: Product Complies as per above Specifications

Prepared By 	Checked by 	Approved By  
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Sonali Nirmal
Date: 23/05/2026

Dadarao Kakde
Date: 23/05/2026

Nayna Nehete
Date: 23/05/2026

