

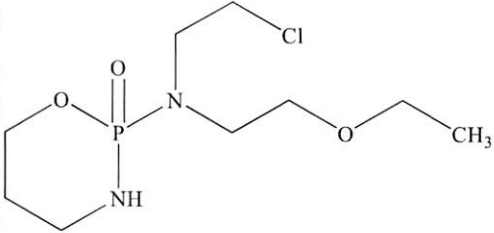
Certificate of Analysis

Certificate No.: **20250905504**



Date: September 5, 2025

Retest date: September 3, 2028

Compound Name: Cyclophosphamide Impurity 20	
Synonyms:	2-((2-chloroethyl)(2-ethoxyethyl)amino)-1,3,2-oxazaphosphinane 2-oxide
TLC Catalogue Number:	C-10236
CAS Number:	2387771-96-0
Alternate CAS Number:	N/A
Molecular Weight:	270.69
Molecular Formula:	C ₉ H ₂₀ ClN ₂ O ₃ P
Source:	TLC Pharmaceutical Standards
Source Lot No.:	3986-062A2
Storage Conditions:	Store at 2-8 °C
Solubility:	DMSO, Acetonitrile



Test Description	Specifications	Results
Visual Description	Colorless liquid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.9%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	1.1%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	98.8%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		09/05/2025
Approved by:	Quality Assurance		09/05/2025

Attachments: Peak Attribution Table, HPLC, IR, MS and NMR spectra.