

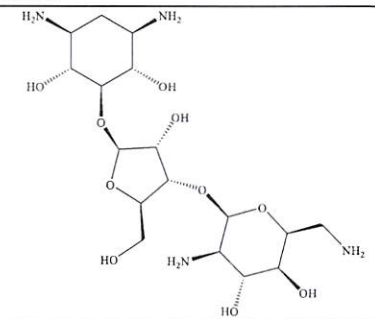
Certificate of Analysis

Certificate No.: 20221202507

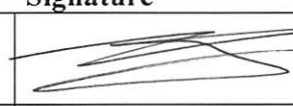

Date: December 2, 2022

Retest date: November 16, 2025

Compound Name: Neomycin Impurity 1	
Synonyms:	<i>O</i> -2,6-diamino-2,6-dideoxy-β-L-idopyranosyl-(1→3)- <i>O</i> -β-D-ribofuranosyl-(1→5)-2-deoxy-streptamine
TLC Catalogue Number:	N-080010
CAS Number:	58152-23-1
Molecular Weight:	454.48
Molecular Formula:	C ₁₇ H ₃₄ N ₄ O ₁₀
Source:	TLC Pharmaceutical Standards
Source Lot No.:	C0087-013A3
Storage Conditions:	Store at 2-8 °C
Solubility:	Water, Methanol



Test Description	Specifications	Results
Visual Description	White to off-white solid	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%	100.0%
Impurity (HPLC)	N/A	
Residual Solvents (NMR)	No residual solvent	
Assay (qNMR)	Not less than 90.0%	92.4%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		12 / 07 / 2022
Approved by:	Quality Assurance		12 / 07 / 2022

Attachments: HPLC, IR, MS and NMR spectra.