

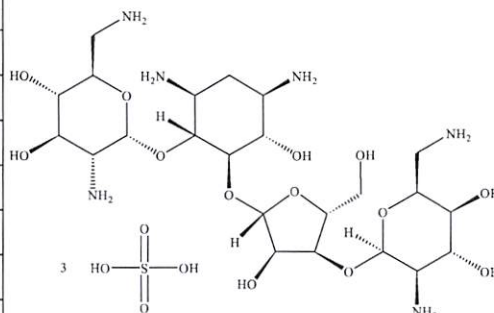
## Certificate of Analysis

Certificate No.: **20250730010**



Date: July 30, 2025

Retest date: July 29, 2028

<b>Compound Name:</b> Neomycin B Trisulfate (Framycetin Trisulfate)	
<b>Synonyms:</b>	(2S,3S,4R,5R,6R)-5-amino-2-(aminomethyl)-6-(((2R,3S,4R,5S)-5-(((1R,2R,3S,5R,6S)-3,5-diamino-2-(((2R,3R,4R,5S,6R)-3-amino-6-(aminomethyl)-4,5-dihydroxytetrahydro-2H-pyran-2-yl)oxy)-6-hydroxycyclohexyl)oxy)-4-hydroxy-2-(hydroxymethyl)tetrahydrofuran-3-yl)oxy)tetrahydro-2H-pyran-3,4-diol, sulfate (1:3)
<b>TLC Catalogue Number:</b>	N-080009
<b>CAS Number:</b>	4146-30-9
<b>Alternate CAS Number:</b>	119-04-0 (free base)
<b>Molecular Weight:</b>	614.65 3*98.08
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>46</sub> N <sub>6</sub> O <sub>13</sub> . 3 H <sub>2</sub> SO <sub>4</sub>
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	2136-068A3
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Water



Test Description	Specifications	Results
<b>Visual Description</b>	Off-white solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Elemental Analysis</b>	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>100.0%</b>
<b>Impurity (HPLC)</b>	N/A	
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20.0</sup> (c=2.00, H <sub>2</sub> O): +54.0°	[α] <sub>D</sub> <sup>20.0</sup> (c=2.01, H <sub>2</sub> O): <b>+49.1°</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (qNMR)</b>	Not less than 85.0%	<b>86.8%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		07/30/2025
Approved by:	Quality Assurance		07/30/2025

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