

# CERTIFICATE OF ANALYSIS

Product Description      STREPTOMYCIN SULFATE SOLUTION (250 MG/ML)  
O-2-DEOXY-2-(METHYLAMINO)- $\alpha$ -L-GLUCOPYRANOSYL-(1 $\rightarrow$ 2)-O-5-  
DEOXY-3-C-FORMYL- $\alpha$ -L-LYXOFURANOSYL-(1 $\rightarrow$ 4)-N,N'-  
BIS(AMINOIMINOMETHYL)-D-STREPTAMINE SULFATE

Product Number      S7739  
Lot Number      HWT7739005  
Storage Temperature      2-8°C  
Molecular Weight      1457.4  
Formula      (C<sub>21</sub>H<sub>39</sub>N<sub>7</sub>O<sub>12</sub>)<sub>2</sub>•3H<sub>2</sub>SO<sub>4</sub>  
CAS Number      3810-74-0

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible in Water	Passes
pH	Under Development	5.5
Physical Appearance Color* Texture	Under Development Clear Liquid	2018-40 Orange Clear Liquid
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency (dry basis of raw material)	Minimum 650 $\mu$ g/mg	934.4 $\mu$ g/mg
Sterility	Sterile	Passes


\* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Date of Release: 02-July-2025

Recommended Shelf-Life Date: July 2028

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