

CERTIFICATE OF ANALYSIS

Product Description STREPTOMYCIN SULFATE
O-2-DEOXY-2-(METHYLAMINO)- α -L-GLUCOPYRANOSYL-(1 \rightarrow 2)-O-5-
DEOXY-3-C-FORMYL- α -L-LYXOFURANOSYL-(1 \rightarrow 4)-N,N'-
BIS(AMINOIMINOMETHYL)-D-STREPTAMINE SULFATE

Product Number S739

Lot Number HGT0739023

Storage Temperature 2-8°C

Molecular Weight 1457.4

Formula (C₂₁H₃₉N₇O₁₂)₂•3H₂SO₄

CAS Number 3810-74-0

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--|--|---------------------------|
| Solubility | Soluble in Water @ 10 mg/mL | Passes |
| pH | Under Development | 5.9 |
| Physical Appearance Color* Texture | PM-1 to PM-4 Fine Powder, may form clumps | PM-1 White Fine Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Insolubles | None | Passes |
| FTIR | Conform to Structure | Passes |
| Potency (on dry basis) | Minimum 650 μ g/mg | 938.24 μ g/mg |

* 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: 26-August-2025

Recommended Shelf-Life Date: August 2030

Prepared by:  _____

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