

# CERTIFICATE OF ANALYSIS

Product Description      STREPTOMYCIN SULFATE  
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      S739

Lot Number      HXW0739017

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	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	5.0
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
Average Time to Dissolve	For Information Only (Approx. 2 min)	Passes
Insolubles	None	Passes
FTIR	Conform to Structure	Passes
Potency (on dry basis)	Minimum 650 $\mu$ g/mg	945 $\mu$ 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: 03-August-2023

Recommended Shelf-Life Date: August 2028



David Hart  
Technical Director

**PhytoTech Labs Inc.**  
14610 W 106<sup>TH</sup> St. Lenexa, KS 66215  
Phone: 1-888-749-8682 or 1-913-341-5343  
Fax: 1-888-449-8682 or 1-913-341-5442  
Phytotechlab.com