

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	HMW0739018
Storage Temperature	2-8°C
Molecular Weight	1457.4
Formula	(C ₂₁ H ₃₉ N ₇ O ₁₂) ₂ •3H ₂ SO ₄
CAS Number	3810-74-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	5.3
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 μ g/mg	945 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: 06-December-2023

Recommended Shelf-Life Date: December 2028



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