

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 11J0739007

Storage Temperature 2-6 °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	5.50
Physical Appearance Color* Texture	RM-1 to RM-4, or RM-31 Fine Powder, may form clumps	RM-31 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 2 min	Passes
Insolubles	None	Passes
Loss on Drying	For Information Only	4.4%
Potency (on dry basis)	Minimum 650 µg/mg	760 µg/mg

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

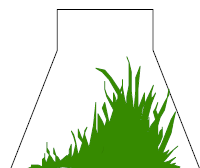
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. **PhytoTechnology Laboratories®** 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.

Recommended Shelf Life Date: September 2016



Gary Seckinger, Ph.D.



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Created on 28 September 2011 PN