

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 07C73905
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	Passes
pH (1.00 g/L)	5.25 – 6.25	5.48
Physical Appearance Color* Texture	RM-1 to RM-4, RM-31 Fine Powder, May Have Clumps	RM-1 White Fine Powder with Clumps
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	4.1%
Potency (on dry basis)	Minimum 650 IU/mg	766 IU/mg

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

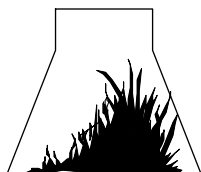
The material described in this certificate was manufactured from a pure culture of *Streptomyces griseus*. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories, LLC 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: March 2012



Gary Seckinger Ph.D.



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Dedicated to Growth

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