

# CERTIFICATE OF ANALYSIS

Product Description      KANAMYCIN MONOSULFATE SOLUTION 100 MG/ML  
Product Number        K4751  
Lot Number              10G4751001  
Storage Temperature    2-6 °C  
Molecular Weight       582.6  
Formula                  $C_{18}H_{36}N_4O_{11} \cdot H_2SO_4$   
CAS Number             25389-94-0

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH (Neat)	Under Development	7.86
Physical Appearance		
Color*	Under Development	Colorless
Texture	Under Development	Clear Liquid
Sterility by USP<71>	Sterile	Passes
Insolubles	None	Passes
Potency of Raw Materials	For Information Only	774 IU/mg

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

## Biological Testing:

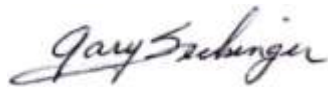
Test Concentration: 0.50 mL/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product does not typically promote tissue growth; some tissue necrosis or death is possible, depending on the plant species. This product is tested with two or more axenic plant cell lines with no bioburden added to the medium.	Tobacco callus	Passes
	Syngonium	Passes

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: July 2012



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205  
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)  
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)  
Visit our Web Site at <http://www.phytotechlab.com>



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