

# CERTIFICATE OF ANALYSIS

Product Description KANAMYCIN MONOSULFATE SOLUTION, 50 MG/ML  
Product Number K586  
Lot Number 12H0586005  
Storage Temperature 2-6 °C  
Molecular Weight 582.6  
Formula  $C_{18}H_{16}N_4O_{11} \cdot H_2SO_4$

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH (Neat)	Under Development	8.1
Physical Appearance		
Clarity	Colorless	Colorless
Color	Clear Liquid	Clear Liquid
Insolubles	None	Passes
Sterility by USP <71>	Sterile	Passes
Potency of Raw Material	For Information Only	774 units/mg

## Biological Testing:

Test Concentration: 2mL/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product does not typically promote tissue growth; tissue necrosis or death is possible. It is commonly used to arrest bacterial growth. This product is tested with two or more clean plant cell lines with no bioburden added to the medium.	African Violet	Passes
	Dianthus	Passes

The material described in this certificate was manufactured in the United States of America and is of synthetic nature. 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: August 2018



Gary Seckinger, Ph.D.



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