CERTIFICATE OF ANALYSIS

Product Description	KANAMYCIN MONOSULFATE
Product Number	K378
Lot Number	07F37806
Storage Temperature	Room Temperature
Molecular Weight	582.6
Formula	$C_{18}H_{36}N_4O_{11}•H_2SO_4$
CAS Number	25389-94-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (0.10 g/L)	Under Development	7.9
Physical Appearance Color* Texture	 PM-1 to PM-4 Fine to Clumping Powder	 PM-1 Off White Fine Powder, some clumps
Solution Appearance Clarity Color	 Clear Colorless	 Clear Colorless
Average Time to Dissolve	Within 2 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency (International Units)	Minimum 670 IU/mg	774 IU/mg

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

Biological Testing:

Test Concentration: 100 mg/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.	Syngonium	Passes
	Boston Fern	Passes

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

***Phyto*Technology 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. *Phyto*Technology 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 2019

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