

CERTIFICATE OF ANALYSIS

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

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (0.10 g/L)	Under Development	7.19
Physical Appearance Color* Texture	RM-1 to RM-3, RM-31 Fine to Clumping Powder	RM-31 White Clumping Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 2 min	Passes
Insolubles	None	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

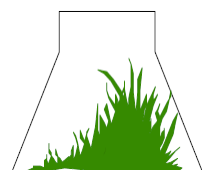
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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: June 2015



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