

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	7.9
Physical Appearance		
Color*	PM-1 to PM-4	PM-1 Off White
Texture	Fine to Clumping Powder	Fine Powder, some clumps
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	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

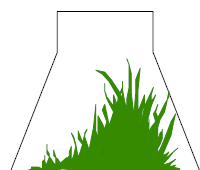
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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Recommended Shelf Life Date: July 2019



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>



Created on 10 August 2007
Revised on 15 July 2014 DS