

CERTIFICATE OF ANALYSIS

Product Description KANAMYCIN MONOSULFATE
Product Number K378
Lot Number HHW0378008
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	8.2
Physical Appearance Color* Texture	PM-1 to PM-4 Fine to Clumping Powder	PM-1 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency (International Units)	Minimum 670 IU/mg	750 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.	Achimenes	Passes
	Xanthi Tobacco Callus	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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Date of Release: 24-April-2023

Recommended Shelf-Life Date: April 2031



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