CERTIFICATE OF ANALYSIS

Product Description	PAROMOMYCIN SULFATE O-2-AMINO-2-DEOXY-α-D-GLUCOPYRANOSYL-(1→4)-O-[O-2,6-DIAMINO-2,6-DIDEOXY-β-L-IDOPYRANOSYL-(1→3)-β-D-RIBOFURANOSYL-(1→5)]-2-DEOXY-D-STREPTAMINE SULFATE		
Product Number	P710		
Lot Number	09F0710005		
Storage Temperature	Room Temperature	Formula	$C_{23}H_{45}N_5O_{14}•H_2SO_4$
Molecular Weight	713.7	CAS Number	1263-89-4

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH (0.050 g/L)	Under Development	5.6
Physical Appearance		
Color*	PM-1 to PM-4, 2018-60 to 2027-60, 2018-70 to 2027-70	PM-1 Off-White
Texture	Fine to Coarse Powder, may form clumps	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	For Information Only (Approx. 1 min)	1 min
Insolubles	None	Passes
Potency (Dry Basis)	Minimum 675 µg/mg	723 µg /mg
Loss on Drying	For Information Only	3.6%

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

Biological Testing:

Test Concentration: 50.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product does not typically promote tissue growth; tissue necrosis or death is possible. This product is tested with two or more axenic plant cell lines with no bioburden added to the medium.	Boston Fern	Passes
	Hosta	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: January 2019

Gary Seckinger

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