CERTIFICATE OF ANALYSIS

Product Description:	G418 SULFATE GENETICIN®
Product Number:	G810
Lot Number:	STT0810035
Storage Temperature	2-6 °C Protect from moisture & light
Molecular Weight:	692.7
Formula:	$C_{20}H_{40}N_4O_{10}•2H_2SO_4$
CAS Number	108321-42-2

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 50 mg/mL	Passes
pH	Under Development	5.6
Physical Appearance Color* Texture	 PM-1 to PM-4 Fine to Coarse Powder	 PM-4 White Fine Powder
Solution Appearance Clarity Color	 Clear Colorless	 Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 1 min)	1 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency	Minimum 700 µg/mg	783 µg/mg on dried basis
Water Content	For Information Only	2.0%

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

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 2021

Gary Seckinger, Ph.D.

P*hyto*Technology Laboratories®
Dedicated to Growth

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Created on 7 July 2016 JN