

# CERTIFICATE OF ANALYSIS

Product Description: G418 SULFATE  
GENETICIN®  
Product Number: G810  
Lot Number: HAW0810050  
Storage Temperature: 2-8°C Protect from moisture & light  
Molecular Weight: 692.7  
Formula: C<sub>20</sub>H<sub>40</sub>N<sub>4</sub>O<sub>10</sub>•2H<sub>2</sub>SO<sub>4</sub>  
CAS Number: 108321-42-2

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 50 mg/mL	Passes
pH	Under Development	4.0
Physical Appearance Color* Texture	PM-1 to PM-4 Fine to Coarse Powder	PM-1 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency	Minimum 700 units/mg	785 ug/mg
Mass Spectrometry	For Information Only	Passes

\* 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.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.**

Date of Release: 29-August-2023

Recommended Shelf-Life Date: August 2028



David Hart  
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