



## CERTIFICATE OF ANALYSIS

### G418 Sulfate Powder

(Catalog Number 400-111P)

Lot Number: F324012

Retest Date: Jan2026

Storage Temperature:  $\leq -10^{\circ}\text{C}$

For cell culture, further manufacturing or research use only. Not for direct therapeutic use.

Test	Methodology	Specification	Analysis
Appearance		White Powder	White Powder
Absorbance @ 280 nm (1 mg/mL in H <sub>2</sub> O)		$\leq 0.015$ nm	0.001 nm
Absorbance @ 570 nm (100 mg/mL in H <sub>2</sub> O)		$\leq 0.10$ nm	0.002 nm
Ammonia		$\leq 1.0$ %	$< 1.0$ %
Loss on Drying		$\leq 10.0$ %	2.6 %
pH		5.0 – 6.0	5.4
Potency (Dry basis)		$\geq 700$ $\mu\text{g}/\text{mg}$	748 $\mu\text{g}/\text{mg}$
Purity	HPLC	Report (%)	88.4 %
Purity	TLC-Spot	$\leq 3$ Spots	3 Spots
Solubility (100 mg/mL in H <sub>2</sub> O)		Colorless Solution	Colorless Solution

The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and has confirmed that the testing meets the specifications presented on this Certificate of Analysis.

Korrina Nicewonger  
Name

02 OCT 2024  
Date

QA Associate II  
Title