



GeminiBio

CERTIFICATE OF ANALYSIS
G-418 Disulfate
Powder
(Catalog Number 400-111P-50.0)

Lot Number: 187367-254140

Retest Date: 11/24/2025

Storage Temperature: 2-8°C

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

| Test | Specification | Analysis |
|---|--------------------|-----------|
| Appearance | White Powder | Passed |
| Absorbance @ 280 nm (1 mg/mL in H ₂ O) | ≤ 0.015 nm | 0.001nm |
| Absorbance @ 570 nm (100 mg/mL in H ₂ O) | ≤ 0.10 nm | 0.002nm |
| Ammonia | ≤ 1.0 % | <1.0 |
| HPLC (Purity) | Report (%) | 88.4 % |
| Loss on Drying | ≤ 10.0 % | 2.6% |
| pH | 5.0 – 6.0 | 5.4 |
| Potency (Dry basis) | ≥ 700 µg/mg | 748 µg/mg |
| Purity (TLC-Spot) | ≤ 3 Spots | 3 Spots |
| Solubility (100 mg/mL in H ₂ O) | Colorless Solution | Passed |

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.

Name Megha Khedri

Date 20 May 2025

Title QA Manager