

Certificate of Analysis

Date of Testing: 2024-12-13 10:55:24

Date of Next Testing: 2028-12-12 10:55:24

Product Name: **G 418 disulfate salt**

CAS Number: 108321-42-2

Specifications & Purity: potency: ≥650 ug per mg

Lot #: B2105195

SKU #: **G110917**

Version: **0**

Analysis #: **448836**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis (anhydrous)	7.13-8.25 (%)	7.14 %
Carbon by Elemental Analysis(anhydrous)	30-35.4 (%)	32.37 %
Water by Karl Fischer	0-12 (%)	7.26 %
Specific Rotation [α] ₂₀ /D(c=0.3 in H ₂ O)	105-115 (°)	109.01 °
Purity(HPLC)	90-100 (%)	96.20000 %
potency (dry basis)	≥650 (µg/mg)	659.00 µg/mg
Appearance (G110917)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , colorless to faint yellow clear to hazy,50mg/ml	pass	Pass



John Su
QA & QC Manager