

Certificate of Analysis

Date of Testing: 2022-08-10 13:50:44
 Date of Next Testing: 2026-08-09 13:50:44
 Product Name: **G 418 disulfate salt**
 CAS Number: 108321-42-2
 Specifications & Purity: potency: ≥ 650 ug per mg
 Lot #: H2205263
 SKU #: **G110917**
Analysis: 107196
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis (anhydrous)	7.13-8.25 (%)	7.24 %
Carbon by Elemental Analysis(anhydrous)	30-35.4 (%)	31.35 %
Water by Karl Fischer	0-12 (%)	2.45 %
Specific Rotation $[\alpha]_{20/D}(c=0.3 \text{ in H}_2\text{O})$	105-115 (°)	107.27 °
potency (dry basis)	≥ 650 ($\mu\text{g}/\text{mg}$)	662.00 $\mu\text{g}/\text{mg}$
Purity(HPLC)	90-100 (%)	90.16000 %
Appearance (G110917)	White to Off-White Powder	White to Off-White Powder
Solubility in H ₂ O , colorless to faint yellow clear to hazy,50mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager