

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-01 13:58:28
 Date of Next Testing: 2027-02-28 13:58:28
 Product Name: **G 418 disulfate salt**
 CAS Number: 108321-42-2
 Specifications & Purity: potency: ≥ 650 ug per mg
 Lot #: B2321794
 SKU #: **G110917**
Analysis: 153683
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis (anhydrous)	7.13-8.25 (%)	7.78 %
Carbon by Elemental Analysis(anhydrous)	30-35.4 (%)	32.37 %
Water by Karl Fischer	0-12 (%)	1.97 %
Specific Rotation $[\alpha]_{20/D}(c=0.3 \text{ in H}_2\text{O})$	105-115 (°)	108.22 °
Purity(HPLC)	90-100 (%)	96.65000 %
potency (dry basis)	≥ 650 ($\mu\text{g}/\text{mg}$)	725.00 $\mu\text{g}/\text{mg}$
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