

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-19 14:14:35
Date of Next Testing: 2028-11-18 14:14:35
Product Name: **G 418 disulfate salt**
CAS Number: 108321-42-2
Specifications & Purity: potency: ≥ 650 ug per mg
Lot #: K2418066
SKU #: **G110917**
Version: **0**
Analysis #: **132600**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis(anhydrous)	30-35.4 (%)	30.11 %
Water by Karl Fischer	0-12 (%)	5.45 %
Specific Rotation $[\alpha]_{20/D}(c=0.3 \text{ in H}_2\text{O})$	105-115 (°)	105.26 °
Purity(HPLC)	90-100 (%)	99.95100 %
potency (dry basis)	≥ 650 ($\mu\text{g}/\text{mg}$)	725.00 $\mu\text{g}/\text{mg}$
Nitrogen by Elemental Analysis (anhydrous)	7.13-8.25 (%)	7.53 %
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