

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-16 09:48:48
Date of Next Testing: 2029-10-15 09:48:48
Product Name: **Quinine sulfate dihydrate**
CAS Number: 6119-70-6
Specifications & Purity: $\geq 98\%$
Lot #: J2513630
SKU #: **Q110175**
Version: **0**
Analysis #: **592083**
Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|--|---------------------------------------|---------------------------------------|
| Loss on drying | 3-5 (%) | 4.46500 % |
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 0.1 \text{ M HCl})$ | -245~-225 (°) | -232.11300 ° |
| Sulfate Ash | 0-0.1 (%) | 0.01000 % |
| Purity (Titration by NaOH)(anhydrous) | 97.5-102.5 (%) | 99.99000 % |
| Appearance (Q110175) | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager