

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-16 09:49:21
 Date of Next Testing: 2029-10-15 09:49:21
 Product Name: **Quinine sulfate dihydrate**
 CAS Number: 6119-70-6
 Specifications & Purity: $\geq 98\%$
 Lot #: J2513629
 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