

Certificate of Analysis

Date of Testing: 2025-04-14 15:40:28
Date of Next Testing: 2029-04-13 15:40:28
Product Name: **Quinine sulfate dihydrate**
CAS Number: 6119-70-6
Specifications & Purity: $\geq 98\%$
Lot #: D2502474
SKU #: **Q110175**
Version: **0**
Analysis #: **497895**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Loss on drying	3-5 (%)	3.24 %
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in } 0.1 \text{ M HCl})}$	-245~-225 (°)	-236.78 °
Sulfate Ash	0-0.1 (%)	0.00 %
Purity (Titration by NaOH)(anhydrous)	97.5-102.5 (%)	100.53 %
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