

## Certificate of Analysis

Date of Testing: 2024-04-09 10:58:24  
Date of Next Testing: 2028-04-08 10:58:24  
Product Name: **Quinine sulfate dihydrate**  
CAS Number: 6119-70-6  
Specifications & Purity: 98%  
Lot #: C2425454  
SKU #: **Q110175**  
**Analysis:** **343149**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Loss on drying	3-5 (%)	4.85 %
Specific Rotation [α] <sub>20</sub> /D(c=2 in 0.1 M HCl)	-245~-225 (°)	-225.20°
Sulfate Ash	0-0.1 (%)	0.00 %
Purity (Titration by NaOH)(anhydrous)	97.5-102.5 (%)	100.25 %
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