

## Certificate of Analysis

Date of Testing: 2023-08-04 15:07:23  
Date of Next Testing: 2027-08-03 15:07:23  
Product Name: **Quinine sulfate dihydrate**  
CAS Number: 6119-70-6  
Specifications & Purity: 98%  
Lot #: H2302196  
SKU #: **Q110175**  
**Analysis:** **262741**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Loss on drying	3-5 (%)	4.12 %
Specific Rotation [α] <sub>20</sub> /D(c=2 in 0.1 M HCl)	-245~-225 (°)	-225.10 °
Sulfate Ash	0-0.1 (%)	0.01 %
Purity (Titration by NaOH)(anhydrous)	97.5-102.5 (%)	101.49 %
Appearance (Q110175)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager