

ALADDIN SCIENTIFIC CORPORATION
14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-16 09:31:54
Date of Next Testing: 2029-10-15 09:31:54
Product Name: **Quinine sulfate dihydrate**
CAS Number: 6119-70-6
Specifications & Purity: BioReagent, for fluorescence analysis, Moligand™, ≥99%
Lot #: J2513628
SKU #: **Q110176**
Version: **0**
Analysis #: **580045**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	2-6 (%)	4.46 %
Specific Rotation [α] ₂₀ /D(c=2 in 0.1 M HCl) dihydroquinine sulfate (HPLC)	-245~-225 (°)	-232.11 °
Purity (Titration by NaOH)(anhydrous)	0-10 (%)	3.25 %
Appearance (Q110176)	98.5-101.5 (%)	99.99 %
Proton NMR spectrum	White to Off-White Powder	White to Off-White Powder
Fluorescence, λ _{ex} 347 nm; λ _{em} 448 nm in 0.5 M sulfuric acid suitability for fluorescence	Conforms to Structure	Conforms to Structure
	Conforms	Conforms
	pass	Pass



John Su
QA & QC Manager