

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-18 10:05:09

Date of Next Testing: 2030-05-17 10:05:09

Product Name: **Quinine sulfate dihydrate**

CAS Number: 6119-70-6

Specifications & Purity: BioReagent, for fluorescence analysis, Moligand™, ≥99%

Lot #: E2613068

SKU #: **Q110176**

Version: **0**

Analysis #: **116096**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	2-6 (%)	5.19830 %
Specific Rotation [α] _{20/D} (c=2 in 0.1 M HCl)	-235--225 (°)	-226.03400 °
Purity (Titration by NaOH)(anhydrous)	98.5-101.5 (%)	99.41000 %
dihydroquinine sulfate (HPLC)	0-10 (%)	7.06000 %
Appearance (Q110176)	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	Conforms	Conforms
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
suitability for fluorescence	pass	Pass



John Su
QA & QC Manager