

Certificate of Analysis

Date of Testing: 2025-04-16 17:20:46

Date of Next Testing: 2029-04-15 17:20:46

Product Name: **Quinine sulfate dihydrate**

CAS Number: 6119-70-6

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

Lot #: D2515739

SKU #: **Q110176**

Version: **0**

Analysis #: **486927**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	2-6 (%)	4.01 %
Specific Rotation [α] _{20/D} (c=2 in 0.1 M HCl)	-245~-225 (°)	-236.78 °
dihydroquinine sulfate (HPLC)	0-10 (%)	0.53 %
Purity (Titration by NaOH)(anhydrous)	98.5-101.5 (%)	100.53 %
Appearance (Q110176)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Fluorescence, λ _{ex} 347 nm; λ _{em} 448 nm in 0.5 M sulfuric acid	Conforms	Conforms
suitability for fluorescence	pass	Pass



John Su
QA & QC Manager