

Certificate of Analysis

Date of Testing: 2023-02-20 18:51:06

Date of Next Testing: 2027-02-19 18:51:06

Product Name: **Quinine hydrochloride dihydrate**

CAS Number: 6119-47-7

Specifications & Purity: for fluorescence, 99%

Lot #: B2317158

SKU #: **Q107528**

Analysis: **189640**

Parameter	Limit Values	Result
Purity(Neutralization titration)	98.5-101.5 (%)	100.67 %
Specific Rotation [α] ₂₀ /D(c=2 in 0.1 M HCl)	-237--227 (°)	-232.50 °
Loss on drying	0-5 (%)	0.25 %
Sulfate Ash	0-0.1 (%)	0.00 %
Appearance (Q107528)	white powder	White powder
Fluorescence, λ _{ex} 347 nm; λ _{em} 448 nm in 0.5 M sulfuric acid	Conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure
suitability for fluorescence	pass	Pass



John Su
QA & QC Manager