

Certificate of Analysis

Date of Testing: 2024-09-14 11:22:44

Date of Next Testing: 2028-09-13 11:22:44

Product Name: **Quinine hydrochloride dihydrate**

CAS Number: 6119-47-7

Specifications & Purity: for fluorescence,99%

Lot #: K2019014

SKU # **Q107528**

Version **1**

Analysis #: **411493**

Parameter	Limit Values	Result
Purity(Neutralization titration)	98.5-101.5 (%)	99.02 %
Sulfate Ash	0-0.1 (%)	0.02 %
Loss on drying(105 °C, 60 Minutes)	0-10 (%)	4.40 %
Specific Rotation [α] _{20/D} (c=2 in 0.1 M HCl in calcd.on dried)	-255~-245 (°)	-245.00 °
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