

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-11 16:06:46
 Date of Next Testing: 2029-09-10 16:06:46
 Product Name: **Quinine hydrochloride dihydrate**
 CAS Number: 6119-47-7
 Specifications & Purity: for fluorescence analysis, ≥99%
 Lot #: K2125089
 SKU #: **Q107528**
 Version: **1**
 Analysis #: **570572**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Neutralization titration)	98.5-101.5 (%)	99.70000 %
Sulfate Ash	0-0.1 (%)	0.01400 %
Loss on drying(105 °C, 60 Minutes)	0-10 (%)	2.13000 %
Specific Rotation [α] _{20/D} (c=2 in 0.1 M HCl in calcd.on dried)	-255~-245 (°)	-250.00000 °
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