

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-13 09:09:15
 Date of Next Testing: 2028-02-13 09:09:15
 Product Name: **Quinine**
 CAS Number: 130-95-0
 Specifications & Purity: Moligand™, for fluorescence analysis, ≥98%
 Lot #: B2512448
 SKU #: **Q105030**
 Version: **1**
 Analysis #: **093392**
 Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(dried material, NT)	97.5-102.5 (%)	99.42200 %
loss on drying, 110 °C	0-1 (%)	0.01078 %
dihydroquinine(NMR)	0-5 (%)	0.00000 %
Specific Rotation [α] _{20/D} (c=1 in CHCL ₃)	-131--121 (°)	-126.71600 °
Melting point	173-175 (°C)	174.98000 °C
Appearance (Q105030)	white to light grey powder	white to light grey powder
Infrared 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