

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-07 16:15:54
 Date of Next Testing: 2028-07-06 16:15:54
 Product Name: **Quinine**
 CAS Number: 130-95-0
 Specifications & Purity: Moligand™, for fluorescence analysis, ≥98%
 Lot #: F2527033
 SKU #: **Q105030**
 Version: **1**
 Analysis #: **537836**
 Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(dried material, NT)	97.5-102.5 (%)	99.42000 %
Specific Rotation [α] ₂₀ /D(c=1 in CHCL ₃)	-131--121 (°)	-126.71400 °
Melting point	173-175 (°C)	174.97800 °C
loss on drying, 110 °C	0-1 (%)	0.01076 %
dihydroquinine(NMR)	0-5 (%)	0.00000 %
Appearance (Q105030)	white to light grey powder	white to light grey 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