

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-25 11:36:03

Date of Next Testing: 2028-03-24 11:36:03

Product Name: **Quinine**

CAS Number: 130-95-0

Specifications & Purity: 97%

Lot #: C2416169

SKU #: **Q105031****Analysis:** **324949**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Loss on drying	0-1 (%)	0.00 %
Purity(HPLC)	97-100 (%)	97.00000 %
Specific Rotation [a] _D 20/D(c=2 in EtOH)	-170--160 (°)	-164.59 °
Melting point	174-179 (°C)	175.20000 °C
Appearance (Q105031)	White to off-white powder, needles and/or Chunks	White to off-white powder, needles and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH	almost transparency	almost transparency

John Su
QA & QC Manager