

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-10 14:49:31  
Date of Next Testing: 2028-12-09 14:49:31  
Product Name: **Quinine**  
CAS Number: 130-95-0  
Specifications & Purity: Moligand™, ≥97%  
Lot #: B2102186  
SKU #: **Q105031**  
Version: **0**  
Analysis #: **446417**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [ $\alpha$ ] <sub>D</sub> (c=2 in EtOH)	-170--160 (°)	-162.50 °
Melting point	174-179 (°C)	175.30000 °C
Loss on drying	0-1 (%)	0.44 %
Purity(HPLC)	97-100 (%)	97.50000 %
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