

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-18 16:44:13  
Date of Next Testing: 2027-09-17 16:44:13  
Product Name: **Quinine**  
CAS Number: 130-95-0  
Specifications & Purity: 97%  
Lot #: I2311075  
SKU #: **Q105031**  
Version: **0**  
Analysis #: **061692**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	174-179 (°C)	175.69000 °C
Loss on drying	0-1 (%)	0.07 %
Purity(HPLC)	97-100 (%)	97.40300 %
Specific Rotation [α] <sub>20</sub> /D(c=2 in EtOH)	-170--160 (°)	-160.01 °
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