

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-22 18:05:13  
 Date of Next Testing: 2029-12-21 18:05:13  
 Product Name: **Quinine**  
 CAS Number: 130-95-0  
 Specifications & Purity: Moligand™, ≥97%  
 Lot #: L2519021  
 SKU #: **Q105031**  
 Version: **0**  
 Analysis #: **324949**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                           | Limit Values                                     | Result                                           |
|-----------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Loss on drying                                      | 0-1 (%)                                          | 0.00000 %                                        |
| Purity(HPLC)                                        | 97-100 (%)                                       | 97.00000 %                                       |
| Specific Rotation [α] <sub>20/D</sub> (c=2 in EtOH) | -170--160 (°)                                    | -164.58500 °                                     |
| 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