

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-20 10:36:14
Date of Next Testing: 2028-04-19 10:36:14
Product Name: **Cinchonine Sulfate Dihydrate**
CAS Number: 5949-16-6
Specifications & Purity: $\geq 98\%$
Lot #: D1728018
SKU #: **C134223**
Version: **0**
Analysis #: **693478**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	85-100 (%)	88.34000 %
Water by Karl Fischer	4.7-5.2 (°)	4.89000 °
Purity(Neutralization titration)	98-100 (%)	99.45000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	188-192 (°)	189.79000 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager