

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-28 16:54:56  
Date of Next Testing: 2027-08-27 16:54:56  
Product Name: **Cinchonidine Dihydrochloride**  
CAS Number: 24302-67-8  
Specifications & Purity: 98%  
Lot #: H2324221  
SKU #: **C120977**  
Analysis: **262294**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=0.4 \text{ in H}_2\text{O})$	-150--140 (°)	-142.18 °
Purity (Argentometric Titration)	97.5-102.5 (%)	101.36 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager