

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2024-07-20 12:02:25
Date of Next Testing: 2028-07-19 12:02:25
Product Name: **(+)-Cinchonine**
CAS Number: 118-10-5
Specifications & Purity: 98%
Lot #: G2416568
SKU #: **C106926**
Version: **0**
Analysis #: **351436**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in EtOH})$	218-228 (°)	219.79000 °
Loss on drying	0-1 (%)	0.50000 %
Purity(HPLC) (~85%Cinchonine+~15% dihydrocinchonine)	98-100 (%)	98.58200 %
Quinidine	0-3 (%)	2.00000 %
Sulfate Ash	0-0.1 (%)	0.10000 %
Quinine	0-3 (%)	1.50000 %
Purity(Nonaqueous Titration)	98-100 (%)	98.00000 %
Appearance (C106926)	white to grey powder or crystals	white to grey powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager