

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

Certificate of Analysis

Date of Testing: 2022-01-22 14:55:38
Date of Next Testing: 2026-01-21 14:55:38
Product Name: **(+)-Cinchonine**
CAS Number: 118-10-5
Specifications & Purity: 98%
Lot #: A2220063
SKU #: **C106926**
Analysis: **069196**

Parameter	Limit Values	Result
Loss on drying	0-1 (%)	0.06100 %
Purity(HPLC) (~85%Cinchonine+~15% dihydrocinchonine)	98-100 (%)	99.64100 %
Quinidine	0-3 (%)	0.09000 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in EtOH})$	218-228 (°)	227.12000 °
Sulfate Ash	0-0.1 (%)	0.01000 %
Quinine	0-3 (%)	0.20000 %
Purity(Nonaqueous Titration)	98-100 (%)	99.00000 %
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