

Shanghai Aladdin Biochemical Technology Co., LTD
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Certificate of Analysis

Date of Testing: 2025-06-02 15:55:23
Date of Next Testing: 2029-06-01 15:55:23
Product Name: **(+)-Cinchonine**
CAS Number: 118-10-5
Specifications & Purity: $\geq 98\%$
Lot #: E2523160
SKU #: **C106926**
Version: **0**
Analysis #: **510087**
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Loss on drying	0-1 (%)	0.50000 %
Purity(HPLC) (~85% Cinchonine+~15% dihydrocinchonine)	98-100 (%)	99.40000 %
Quinidine	0-3 (%)	0.90000 %
Specific Rotation $[\alpha]_{20/D}$ (c=0.5 in EtOH)	218-228 (°)	225.62100 °
Sulfate Ash	0-0.1 (%)	0.00900 %
Quinine	0-3 (%)	1.10000 %
Purity(Nonaqueous Titration)	98-100 (%)	99.24000 %
Appearance (C106926)	white to grey powder or crystals	white to grey powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

