

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-06-29 14:26:27

Date of Next Testing: 2029-06-28 14:26:27

Product Name: **Quinine**

CAS Number: 130-95-0

Specifications & Purity: for fluorescence, ≥98.0%

Lot #: F2611026

SKU #: **S52568**

Version: **0**

Analysis #: **732277**

Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(dried material, NT)	97.5-102.5 (%)	99.42 %
Specific Rotation [α] _{20/D} (c=1 in CHCL ₃)	-131--121 (°)	-126.71 °
Melting point	173-175 (°C)	174.97800 °C
loss on drying, 110 °C	0-1 (%)	0.01 %
dihydroquinine(NMR)	0-5 (%)	0.00000 %
Fluorescence, λ _{ex} 347 nm; λ _{em} 448 nm in 0.5 M sulfuric acid	Conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure
suitability for fluorescence	pass	Pass
Appearance(S52568)	white to light grey powder	white to light grey powder

Quality Assurance : Xiaoyong Tan

Quality Control : Yunlei Zhu

