

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-08 19:25:54

Date of Next Testing: 2025-06-07 19:25:54

Product Name: **Quinine hydrochloride**

CAS Number: 130-89-2

Specifications & Purity: $\geq 98\%$

Lot #: F2205544

SKU #: **Q288668**

Version: **2**

Analysis #: **083069**

Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.80200 %
Purity(Titration by AgNO_3)	97.5-102.5 (%)	99.35000 %
Appearance(Q288668)	White cryatalline powder	White cryatalline powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager