

Certificate of Analysis

Date of Testing: 2023-09-07 16:40:30
Date of Next Testing: 2027-09-06 16:40:30
Product Name: **Quinine hydrochloride dihydrate**
CAS Number: 6119-47-7
Specifications & Purity: 99%
Lot #: L1906118
SKU #: **Q107527**
Analysis: **273007**

Parameter	Limit Values	Result
Loss on drying(105 °C, 60 Minutes)	0-10 (%)	6.11 %
Specific Rotation [α] ₂₀ /D(c=2 in 0.1 M HCl in calcd.on dried)	-255--245 (°)	-247.38 °
Purity(Nonaqueous Titration)(calcd.on dried substance)	99-101 (%)	100.80 %
Appearance (Q107527)	White to Off-White Powder, Crystals or Granules	White to Off-White Powder, Crystals or Granules
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H ₂ O	almost transparency	almost transparency



John Su
QA & QC Manager