

Certificate of Analysis

Date of Testing: 2022-08-31 11:51:42

Date of Next Testing: 2026-08-30 11:51:42

Product Name: **Quinine hydrochloride dihydrate**

CAS Number: 6119-47-7

Specifications & Purity: 99%

Lot #: H2213246

SKU #: **Q107527**

Analysis: **091768**

Parameter	Limit Values	Result
Loss on drying(105 °C, 60 Minutes)	0-10 (%)	5.81 %
Purity(Nonaqueous Titration)(calcd.on dried substance)	99-101 (%)	100.67 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 0.1 \text{ M HCl in } -255^{\circ} \text{--} -245^{\circ})$ calcd.on dried)		-245.12 °
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