

Certificate of Analysis

Date of Testing: 2025-09-11 15:40:18
Date of Next Testing: 2029-09-10 15:40:18
Product Name: **Quinine hydrochloride dihydrate**
CAS Number: 6119-47-7
Specifications & Purity: $\geq 99\%$
Lot #: K2125140
SKU #: **Q107527**
Version: **0**
Analysis #: **570565**

Parameter	Limit Values	Result
Loss on drying(105 °C, 60 Minutes)	0-10 (%)	5.78 %
Specific Rotation [a] ₂₀ /D(c=2 in 0.1 M HCl in calcd.on dried)	-255--245 (°)	-245.30 °
Purity(Nonaqueous Titration)(calcd.on dried substance)	99-101 (%)	100.00 %
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