

Certificate of Analysis

Date of Testing: 2024-07-12 15:03:33
Date of Next Testing: 2028-07-11 15:03:33
Product Name: **Quinidine**
CAS Number: 56-54-2
Specifications & Purity: $\geq 98.0\%$ (contains 5-15% Dihydroquinidine)
Lot #: I2004158
SKU #: **Q109702**
Version: **2**
Analysis #: **386441**
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	260-275 (°)	265.38 °
Melting point	169-174 (°C)	170.01000 °C
Sulfate Ash	0-0.1 (%)	0.02 %
Heavy metal (as Pb)	0-10 (ppm)	2.19 ppm
Loss on drying	0-1 (%)	0.50 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.40 %
Dihydroquinidine (NMR)	5-15 (%)	5.20000 %
Appearance (Q109702)	White or off-white powder	White or off-white powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager