

Certificate of Analysis

Date of Testing: 2024-07-12 15:00:53
 Date of Next Testing: 2028-07-11 15:00:53
 Product Name: **Quinidine**
 CAS Number: 56-54-2
 Specifications & Purity: $\geq 98.0\%$ (contains 5-15% Dihydroquinidine)
 Lot #: I2016279
 SKU #: **Q109702**
 Version: **2**
 Analysis #: **386435**
 Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in EtOH)	260-275 (°)	265.38 °
Melting point	169-174 (°C)	170.01000 °C
Sulfate Ash	0-0.1 (%)	0.03 %
Heavy metal (as Pb)	0-10 (ppm)	2.90 ppm
Loss on drying	0-1 (%)	0.50 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.40 %
Dihydroquinidine (NMR)	5-15 (%)	5.10000 %
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