

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-29 14:10:46

Date of Next Testing: 2026-07-28 14:10:46

Product Name: **Quinidine**

CAS Number: 56-54-2

Specifications & Purity: $\geq 98.0\%$ (contains 5-15% Dihydroquinidine)

Lot #: G2227345

SKU #: **Q109702**

Analysis: **099088**

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 (°)	260.68 °
Melting point	169-174 (°C)	171.17000 °C
Sulfate Ash	0-0.1 (%)	0.05 %
Heavy metal (as Pb)	0-10 (ppm)	5.34 ppm
Loss on drying	0-1 (%)	0.47 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	100.29 %
Dihydroquinidine (NMR)	5-15 (%)	14.85000 %
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