

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-07 16:52:54

Date of Next Testing: 2028-09-06 16:52:54

Product Name: **(S)-(-)-3-Aminoquinuclidine dihydrochloride**

CAS Number: 119904-90-4

Specifications & Purity: $\geq 98\%$

Lot #: I2402212

SKU # **A123962**

Version **1**

Analysis #: **396616**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in } H_2O)}$	-26--22 (°)	-25.17800 °
Purity(HPLC)	98-100 (%)	98.12900 %
Assay(Titration by AgNO ₃)	97.5-102.5 (%)	100.90000 %
Appearance (A123962)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow, Clear to Hazy, 25mg/ml	pass	Pass



John Su
QA & QC Manager