

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-02-25 16:55:42  
Date of Next Testing: 2030-02-24 16:55:42  
Product Name: **(S)-(-)-3-Aminoquinuclidine dihydrochloride**  
CAS Number: 119904-90-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: E2203016  
SKU #: **A123962**  
Version: **1**  
Analysis #: **655667**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	-26--22 (°)	-23.20000 °
Purity(HPLC)	98-100 (%)	99.23000 %
Assay(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	100.50000 %
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 <sub>2</sub> O , Colorless to Faint Yellow, Clear to Hazy, 25mg/ml	pass	Pass



John Su  
QA & QC Manager