

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-29 11:50:53

Date of Next Testing: 2029-10-28 11:50:53

Product Name: (S)-(+)-3-Piperidinecarboxylic acid

CAS Number: 59045-82-8

Specifications & Purity: ≥98%

Lot #: J2527055

SKU #: P119071

Version: 4

Analysis #: 205833

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	98-103.5 (%)	99.50000 %
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O)	3-6.5 (°)	3.12000 °
Appearance (P119071)	White to Tan Solid, Powder, Crystals, Crystalline Powder and/or Chunks	White to Tan Solid, Powder, Crystals, Crystalline Powder and/or Chunks
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager