

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-24 17:19:42
Date of Next Testing: 2028-01-23 17:19:42
Product Name: **(S)-(+)-3-Piperidinecarboxylic acid**
CAS Number: 59045-82-8
Specifications & Purity: 98%
Lot #: A2419563
SKU #: **P119071**
Analysis: **298174**

Parameter	Limit Values	Result
Specific Rotation [a] ₂₀ /D(c=1 in H ₂ O)	3-6.5 (°)	5.14°
Purity(Titration by HClO ₄)	98-103.5 (%)	98.06%
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