

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-24 11:12:10
 Date of Next Testing: 2026-10-23 11:12:10
 Product Name: **(S)-(-)-1-Boc-2-pyrrolidinecarbonitrile**
 CAS Number: 228244-04-0
 Specifications & Purity: 97%
 Lot #: A1519097
 SKU #: **B119264**
Analysis: 147640
 Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in CHCL ₃)	-106--104 (°)	-105.02 °
Melting point	33-36 (°C)	34.76800 °C
Purity(GC)	97-100 (%)	97.21 %
Appearance (B119264)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager