

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-31 09:34:28  
Date of Next Testing: 2028-12-30 09:34:28  
Product Name: **(S)-(-)-1-Boc-2-pyrrolidinecarbonitrile**  
CAS Number: 228244-04-0  
Specifications & Purity:  $\geq 97\%$   
Lot #: L2430010  
SKU #: **B119264**  
Version: **1**  
Analysis #: **062060**  
Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Melting point	33-36 (°C)	33.74000 °C
Purity(GC)	97-100 (%)	97.54%
Specific Rotation $[\alpha]_{20/D}(c=1$ in CHCL3)	-106--104 (°)	-105.98 °
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