

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-11 09:29:35
 Date of Next Testing: 2026-03-10 09:29:35
 Product Name: **(S)-1-Boc-3-pyrrolidinecarboxylic acid**
 CAS Number: 140148-70-5
 Specifications & Purity: $\geq 97\%$
 Lot #: C2208051
 SKU #: **B121675**
 Version: **0**
 Analysis #: **074961**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	140-145 (°C)	142.75000 °C
Purity (Titration by NaOH)	96.5-103.5 (%)	97.98000 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in CHCL}_3)$	14.5-15.5 (°)	15.45600 °
Appearance (B121675)	white to beige powder or crystals	white to beige powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager