

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-20 13:17:18

Date of Next Testing: 2027-09-19 13:17:18

Product Name: **(R)-1-Boc-3-cyanopyrrolidine**

CAS Number: 132945-76-7

Specifications & Purity: $\geq 96\%$

Lot #: I2319129

SKU # **B121671**

Version **1**

Analysis #: **269984**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(GC)	96-100 (%)	99.45000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } -23--19 \text{ (}^\circ \text{ MeOH)})$		-22.62900 °
Appearance (B121671)	White to Brown Powder, Flakes, Crystals and/or Chunk	White to Brown Powder, Flakes, Crystals and/or Chunk
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager