

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2023-02-18 14:02:13

Date of Next Testing: 2027-02-17 14:02:13

Product Name: **(R)-3-(Boc-amino)piperidine**

CAS Number: 309956-78-3

Specifications & Purity:  $\geq 98\%$

Lot #: B2311909

SKU #: **B121538**

Version: **1**

Analysis #: **159596**

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

| Parameter                                                | Limit Values                                  | Result                                        |
|----------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity(Nonaqueous Titration)                             | 97.5-102.5 (%)                                | 99.99000 %                                    |
| Melting point                                            | 121-125 (°C)                                  | 124.36000 °C                                  |
| Purity(GC)                                               | 98-100 (%)                                    | 98.11600 %                                    |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$ | 13-16 (°)                                     | 15.21200 °                                    |
| Appearance (B121538)                                     | White to Yellow to Brown Powder and/or Chunks | White to Yellow to Brown Powder and/or Chunks |
| NMR Spectrum 1H                                          | Conforms to Structure                         | Conforms to Structure                         |



John Su  
QA & QC Manager