

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-31 15:58:02  
 Date of Next Testing: 2028-08-30 15:58:02  
 Product Name: **(R)-3-(Boc-amino)pyrrolidine**  
 CAS Number: 122536-77-0  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: H2422191  
 SKU #: **B121659**  
 Version: **1**  
 Analysis #: **405732**  
 Storage Temperature: Room temperature

| Parameter                                                | Limit Values                                      | Result                                            |
|----------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Carbon by Elemental Analysis                             | 56.88-59.2 (%)                                    | 56.88700 %                                        |
| Purity(HPLC)                                             | 98-100 (%)                                        | 99.76100 %                                        |
| Purity(Nonaqueous Titration)                             | 97.5-102.5 (%)                                    | 102.39000 %                                       |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$ | 19-22 ( $^{\circ}$ )                              | 20.39000 $^{\circ}$                               |
| Nitrogen by Elemental Analysis                           | 14.74-15.34 (%)                                   | 14.74400 %                                        |
| Appearance (B121659)                                     | White to Beige to Yellow Powder, Fibers, Crystals | White to Beige to Yellow Powder, Fibers, Crystals |
| Proton NMR spectrum                                      | Conforms to Structure                             | Conforms to Structure                             |
| Solubility in MeOH                                       | almost transparency                               | almost transparency                               |



John Su  
QA & QC Manager