

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-05-07 11:30:53  
 Date of Next Testing: 2024-05-06 11:30:53  
 Product Name: **3-(tert-Butoxycarbonylamino)propyl Bromide**  
 CAS Number: 83948-53-2  
 Specifications & Purity:  $\geq 96\%$   
 Lot #: I1804089  
 SKU #: **I136740**  
 Version: **1**  
 Analysis #: **089094**  
 Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                       | Limit Values                             | Result                                   |
|---------------------------------|------------------------------------------|------------------------------------------|
| Purity(GC)                      | 96-100 (%)                               | 96.18000 %                               |
| Purity (Argentmetric Titration) | 97.5-102.5 (%)                           | 97.94900 %                               |
| Melting point                   | 36-41 ( $^{\circ}\text{C}$ )             | 37.57000 $^{\circ}\text{C}$              |
| Appearance (I136740)            | White to Light Yellow Powder or Crystals | White to Light Yellow Powder or Crystals |
| Proton NMR spectrum             | Conforms to Structure                    | Conforms to Structure                    |



John Su  
QA & QC Manager