

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-08-08 09:14:42  
 Date of Next Testing: 2026-08-07 09:14:42  
 Product Name: **Boc-Thr(tBu)-OH**  
 CAS Number: 13734-40-2  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: J1815194  
 SKU #: **B116731**  
 Version: **0**  
 Analysis #: **121965**  
 Storage Temperature: Store at 2-8°C

| Parameter                                               | Limit Values                          | Result                                |
|---------------------------------------------------------|---------------------------------------|---------------------------------------|
| Purity(HPLC) (sum of enantiomers)                       | 99-100 (%)                            | 99.03000 %                            |
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in DMF})$ | 3.1-4.1 (°)                           | 3.72000 °                             |
| Oxygen by Elemental Analysis                            | 9.1-9.6 (%)                           | 9.50200 %                             |
| Carbon by Elemental Analysis                            | 55.5-56.7 (%)                         | 55.80000 %                            |
| Appearance (B116731)                                    | Colorless or White Powder or Crystals | Colorless or White 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