

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-22 17:18:53

Date of Next Testing: 2026-01-21 17:18:53

Product Name: **Boc-Asp-OtBu**

CAS Number: 34582-32-6

Specifications &amp; Purity: 97%

Lot #: A2415558

SKU #: **S136263****Analysis: 301534**

Storage Temperature: Store at 2-8°C

| Parameter                                           | Limit Values                                                      | Result                                                            |
|-----------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| Carbon by Elemental Analysis                        | 51.8-55 (%)                                                       | 53.82 %                                                           |
| Specific Rotation [α] <sub>20</sub> /D(c=1 in MeOH) | -27--23 (°)                                                       | -26.77 °                                                          |
| Nitrogen by Elemental Analysis                      | 4.5-5.1 (%)                                                       | 4.90 %                                                            |
| Purity(HPLC)                                        | 97-100 (%)                                                        | 99.69100 %                                                        |
| Appearance (S136263)                                | White to Almost white to slight yellow to beige powder to crystal | White to Almost white to slight yellow to beige powder to crystal |
| Infrared spectrum                                   | Conforms to Structure                                             | Conforms to Structure                                             |
| Proton NMR spectrum                                 | Conforms to Structure                                             | Conforms to Structure                                             |

John Su  
QA & QC Manager