

## Certificate of Analysis

Date of Testing: 2022-01-25 09:21:12

Date of Next Testing: 2026-01-24 09:21:12

Product Name: **Boc-Asn-OH**

CAS Number: 7536-55-2

Specifications & Purity:  $\geq 98.5\%$  (T)

Lot #: A2220076

SKU # **B113133**

Analysis: **063476**

| Parameter                                            | Limit Values                   | Result                       |
|------------------------------------------------------|--------------------------------|------------------------------|
| Ignition Residue                                     | 0-0.2 (%)                      | 0.00 %                       |
| Specific Rotation $[\alpha]_{20/D(c=1 \text{ DMF})}$ | -8--6 ( $^{\circ}$ )           | -7.49 $^{\circ}$             |
| Purity (Titration by NaOH)                           | 98.5-101.5 (%)                 | 98.98 %                      |
| Melting point                                        | 171-175 ( $^{\circ}\text{C}$ ) | 174.89000 $^{\circ}\text{C}$ |
| Appearance (B113133)                                 | White powder                   | White powder                 |
| Infrared spectrum                                    | Conforms to Structure          | Conforms to Structure        |



John Su  
QA & QC Manager