



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-300288  
Lot Number: SAMPLE  
Product Name: Boc-Lys-OMe.HCl  
CAS Number: 55757-60-3  
Molecular Formula:  $C_{12}H_{24}N_2O_4 \cdot HCl$   
Molecular Weight: 296.79

| Test               | Result                                                                                                 |
|--------------------|--------------------------------------------------------------------------------------------------------|
| Appearance         | White solid (hygroscopic)                                                                              |
| Purity (TLC)       | > 99%                                                                                                  |
| TLC                | Chloroform/Methanol/Acetic acid 32% (5:3:1)<br>Chloroform/Methanol/Acetic acid/Water<br>(70:42:0.5:10) |
| Solubility         | Clear, colorless solution (5% in methanol)                                                             |
| Optical Rotation   | $[\alpha]_D^{25} = -20.4^\circ$ (C=1 in MeOH)                                                          |
| Titration          | 10.8% (Chloride content: 0.1 M AgNO <sub>3</sub> )                                                     |
| Water Content (KF) | 1.2%                                                                                                   |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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