

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2025-06-04 13:34:21  
Date of Next Testing: 2027-06-04 13:34:21  
Product Name: **L-3,4-Dihydroxyphenylalanine methyl ester hydrochloride**  
CAS Number: 1421-65-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: F2503524  
SKU #: **S133010**  
Version: **0**  
Analysis #: **510200**  
Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                                                                             | Limit Values              | Result                    |
|---------------------------------------------------------------------------------------|---------------------------|---------------------------|
| Purity(HPLC)                                                                          | 98-100 (%)                | 99.56300 %                |
| Nitrogen by Elemental Analysis (anhydrous)                                            | 5.2-5.9 (%)               | 5.70900 %                 |
| Specific Rotation $[\alpha]_{25}^D(c=2 \text{ in MeOH})$                              | 9-11 ( $^{\circ}$ )       | 10.33500 $^{\circ}$       |
| 3,4-Dihydroxy Phenylalanine(HPLC)                                                     | 0-1 (%)                   | 0.08000 %                 |
| Appearance (S133010)                                                                  | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum                                                                   | Conforms to Structure     | Conforms to Structure     |
| Solubility in H <sub>2</sub> O , Colorless to yellow, clear to slightly hazy 100mg/ml | pass                      | Pass                      |



John Su  
QA & QC Manager