

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-31 16:43:40  
 Date of Next Testing: 2029-12-30 16:43:40  
 Product Name: **Glycyl-L-tyrosine Hydrate**  
 CAS Number: 658-79-7  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: L2531012  
 SKU #: **G121425**  
 Version: **3**  
 Analysis #: **632870**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter                                                                           | Limit Values                          | Result                                |
|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Water by Karl Fischer                                                               | 0-16 (%)                              | 12.60000 %                            |
| Purity(Nonaqueous Titration)(calcd.on dried substance)                              | 97.5-102.5 (%)                        | 99.50000 %                            |
| Purity(HPLC)                                                                        | 98-100 (%)                            | 98.20000 %                            |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } \text{H}_2\text{O})$ (anhydrous) | 46-49 ( $^{\circ}$ )                  | 48.90000 $^{\circ}$                   |
| Appearance (G121425)                                                                | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Proton NMR spectrum                                                                 | Conforms to structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager