

## Certificate of Analysis

Date of Testing: 2025-06-11 16:04:24  
 Date of Next Testing: 2029-06-10 16:04:24  
 Product Name: (S)-(-)- $\alpha,\alpha$ -Diphenyl-2-pyrrolidinemethanol  
 CAS Number: 112068-01-6  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: I2108260  
 SKU #: D128575  
 Version: 2  
 Analysis #: 522579  
 Storage Temperature: Argon charged

| Parameter                                                  | Limit Values                                       | Result                                             |
|------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Specific Rotation $[\alpha]_{20/D(c=3 \text{ in CHCL}_3)}$ | -69--65 ( $^{\circ}$ )                             | -68.70 $^{\circ}$                                  |
| Optical purity(HPLC)(ee)                                   | 99-100 (%)                                         | 99.50 %                                            |
| Melting point                                              | 76-80 ( $^{\circ}\text{C}$ )                       | 77.60000 $^{\circ}\text{C}$                        |
| Purity(HPLC)                                               | 99-100 (%)                                         | 99.40000 %                                         |
| Appearance (D128575)                                       | White to Off-White Powder to Crystals to Particles | White to Off-White Powder to Crystals to Particles |
| Infrared spectrum                                          | Conforms to Structure                              | Conforms to Structure                              |



John Su  
QA & QC Manager