

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-24 10:23:29  
 Date of Next Testing: 2030-06-23 10:23:29  
 Product Name: **(1R,2R)-(+)-1,2-Diphenylethylenediamine**  
 CAS Number: 35132-20-8  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: F2611131  
 SKU #: **R115655**  
 Version: **1**  
 Analysis #: **296123**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                  | Limit Values                       | Result                             |
|------------------------------------------------------------|------------------------------------|------------------------------------|
| Enantiometric Excess                                       | 99-100 (%)                         | 99.00000 %                         |
| Purity(HPLC)                                               | 99-100 (%)                         | 99.89000 %                         |
| Specific Rotation $[\alpha]_{20/D}(c=1.1 \text{ in MeOH})$ | 102-106 (°)                        | 104.23000 °                        |
| Melting point                                              | 81-84 (°C)                         | 82.56000 °C                        |
| Appearance (R115655)                                       | White to yellow powder or crystals | White to yellow powder or crystals |
| Proton NMR spectrum                                        | Conforms to Structure              | Conforms to Structure              |



John Su  
QA & QC Manager