

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-07 16:10:59  
 Date of Next Testing: 2025-03-07 16:10:59  
 Product Name: (1R,2R)-1,2-di([1,1'-biphenyl]-2-yl)ethane-1,2-diamine  
 CAS Number: 2380225-24-9  
 Specifications & Purity:  $\geq 97\%$ (HPLC),  $\geq 99\%$ (ee)  
 Lot #: C2331840  
 SKU #: R400969  
 Version: 1  
 Analysis #: 327179  
 Storage Temperature: Store at 2-8°C, Desiccated

| Parameter           | Limit Values               | Result                     |
|---------------------|----------------------------|----------------------------|
| Purity(HPLC area)   | 97-100 (%)                 | 99.40000 %                 |
| Enantiomeric Excess | 99-100 (%)                 | 100.00000 %                |
| Appearance(R400969) | White to pale yellow solid | white to pale yellow solid |
| NMR Spectrum 1H     | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager