

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-11 23:27:54  
 Date of Next Testing: 2026-02-10 23:27:54  
 Product Name: ((2S,3S)-4-(anthracen-9-yl)-3-(tert-butyl)-2,3-dihydrobenzo[d][1,3]oxaphosphol-2-yl)di-tert-butylphosphine oxide  
 CAS Number: 2374143-29-8  
 Specifications & Purity: ≥97%, ≥99%(ee)  
 Lot #: B2306316  
 SKU #: S419758  
 Version: 1  
 Analysis #: 163465  
 Storage Temperature: Store at 2-8°C, Desiccated

| Parameter           | Limit Values               | Result                     |
|---------------------|----------------------------|----------------------------|
| Purity(NMR)         | 97-100 (%)                 | 97.00000 %                 |
| Enantiomeric Excess | 99-100 (%)                 | 100.00000 %                |
| Appearance(S419758) | White to pale yellow solid | white to pale yellow solid |
| NMR Spectrum 1H     | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager