

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-12 13:58:31

Date of Next Testing: 2026-06-11 13:58:31

Product Name: (R)-5,5',6,6',7,7',8,8'-Octahydro-1,1'-binaphth-2,2'-yl phosphate

CAS Number: 297752-25-1

Specifications & Purity: 98%,99% ee

Lot #: F23051074

SKU #: O282006

Analysis: 208700

| Parameter           | Limit Values                          | Result                                |
|---------------------|---------------------------------------|---------------------------------------|
| Purity(HPLC area)   | 98-100 (%)                            | 99.54 %                               |
| Enantiomeric Excess | 99-100 (%)                            | 99.36000 %                            |
| Appearance(O282006) | White to Light-yellow Powder or Solid | white to light-yellow powder or solid |
| NMR Spectrum 1H     | Conforms to structure                 | Conforms to Structure                 |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager