

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-24 11:50:57  
Date of Next Testing: 2028-03-13 11:50:57  
Product Name: **(S)-(+)-1,1'-Binaphthyl-2,2'-diyl Hydrogen Phosphate**  
CAS Number: 35193-64-7  
Specifications & Purity:  $\geq 97\%$   
Lot #: I2207315  
SKU #: **B117618**  
Version: **0**  
Analysis #: **674626**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation [a] <sub>D</sub> 20/D(c=1 in MeOH)	580-605 (°)	603.80000 °
Purity(HPLC)	97-100 (%)	98.67000 %
Purity (Titration by NaOH)	96.5-103.5 (%)	96.90000 %
Appearance (B117618)	Solid particle or powder	Solid particle or powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in Pyridine , Colorless to Faint Yellow,Clear to Slightly Hazy5%	pass	Pass



John Su  
QA & QC Manager