

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-10 11:46:50
 Date of Next Testing: 2027-02-28 11:46:50
 Product Name: **(S)-(+)-1,1'-Binaphthyl-2,2'-diyl Hydrogen Phosphate**
 CAS Number: 35193-64-7
 Specifications & Purity: $\geq 97\%$
 Lot #: I2113061
 SKU #: **B117618**
 Version: **0**
 Analysis #: **479674**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	580-605 (°)	590.00000 °
Purity(HPLC)	97-100 (%)	98.05480 %
Purity (Titration by NaOH)	96.5-103.5 (%)	97.81060 %
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