

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-20 09:03:10
 Date of Next Testing: 2027-05-10 09:03:10
 Product Name: **(S)-(+)-1,1'-Binaphthyl-2,2'-diyl Hydrogen Phosphate**
 CAS Number: 35193-64-7
 Specifications & Purity: $\geq 97\%$
 Lot #: E2515163
 SKU #: **B117618**
 Version: **0**
 Analysis #: **502751**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.56500 %
Purity (Titration by NaOH)	96.5-103.5 (%)	101.83500 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	580-605 (°)	604.63700 °
Appearance (B117618)	Solid particle or powder	Solid particle or powder
Solubility in Pyridine , Colorless to Faint Yellow,Clear to Slightly Hazy5%	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager