

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-13 13:38:34

Date of Next Testing: 2024-09-02 13:38:34

Product Name: **(S)-(+)-1,1'-Binaphthyl-2,2'-diyl Hydrogen Phosphate**

CAS Number: 35193-64-7

Specifications & Purity: $\geq 97\%$

Lot #: I2207314

SKU # **B117618**

Version **0**

Analysis #: **114850**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	98.30900 %
Purity (Titration by NaOH)	96.5-103.5 (%)	101.36000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	580-605 (°)	604.74000 °
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