

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-03 16:52:29  
Date of Next Testing: 2028-02-21 16:52:29  
Product Name: **(S)-(+)-1,1'-Binaphthyl-2,2'-diyl Hydrogen Phosphate**  
CAS Number: 35193-64-7  
Specifications & Purity:  $\geq 97\%$   
Lot #: D2403033  
SKU #: **B117618**  
Version: **0**  
Analysis #: **648464**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	96.5-103.5 (%)	101.82500 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	580-605 ( $^{\circ}$ )	604.19000 $^{\circ}$
Purity(HPLC)	97-100 (%)	99.55200 %
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