

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-23 11:03:09

Date of Next Testing: 2028-06-22 11:03:09

Product Name: (S)-[1,1"-Binaphthalene]-2,2"-diylbis[1,1-diphenyl-1,1"-phosphine oxide]

CAS Number: 94041-18-6

Specifications & Purity: ≥98%, ≥99%(ee)

Lot #: F2513059

SKU #: S281854

Version: 1

Analysis #: 158270

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	98.80000 %
Enantiomeric Excess	99-100 (%)	99.00000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
31P NMR spectrum	Conforms to structure	Conforms to Structure
Appearance(S281854)	White to off-white solid	White to off-white solid



John Su
QA & QC Manager