

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-08-14 11:42:29

Date of Next Testing: 2029-08-13 11:42:29

Product Name: (S)-(-)-4-[2-(Diphenylphosphino)-1-naphthalenyl]-N-[(R)-1-phenylethyl]-1-phthalazinamine

CAS Number: 828927-96-4

Specifications & Purity: $\geq 97\%$

Lot #: K2306587

SKU #: S282048

Version: 1

Analysis #: 751944

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

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	98.10000 %
Specific rotation $[\alpha]_{20/D}(C=0.54, CHCl_3)$	-164~-160 (°)	-163.90000 °
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager