

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-10 16:47:46

Date of Next Testing: 2026-11-09 16:47:46

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

CAS Number: 828927-96-4

Specifications & Purity: $\geq 97\%$

Lot #: K2306589

SKU #: S282048

Version: 1

Analysis #: 264279

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

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	98.14000 %
Specific rotation $[\alpha]_{20/D}(C=0.54, CHCl_3)$	-164~-160 (°)	-163.97000 °
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager