

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-19 14:47:44

Date of Next Testing: 2027-09-19 14:47:44

Product Name: (R)-(-)-1-[(S)-2-(Dicyclohexylphosphino)ferrocenyl]ethyl-di-t-butylphosphine

CAS Number: 158923-11-6

Specifications & Purity: $\geq 97\%$

Lot #: C2211528

SKU #: R396582

Version: 2

Analysis #: 573821

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.10200 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in CHCL}_3)$	-195--175 (°)	-194.80 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager