

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-02-09 15:52:53

Date of Next Testing: 2024-02-09 15:52:53

Product Name: (R)-(-)-1-[(S)-2-(Diphenylphosphino)ferrocenyl]ethyldi-t-butylphosphine

CAS Number: 155830-69-6

Specifications & Purity: ≥97%

Lot #: B2207378

SKU #: R396593

Version: 1

Analysis #: 059453

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.54100 %
Specific rotation $[\alpha]_{20/D(C=1, CHCl_3)}$	-415~-405 (°)	-414.90200 °
Appearance(R396593)	Light yellow to Brown powder to crystalline	Light yellow to Brown powder to crystalline
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager