

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-02-02 15:17:35

Date of Next Testing: 2028-02-02 15:17:35

Product Name: (R)-(-)-1-[(S)-2-[Bis(3,5-difluoromethylphenyl)phosphino]ferrocenyl]ethyldicyclohexylphosphine

CAS Number: 292638-88-1

Specifications & Purity: ≥97%

Lot #: A2623629

SKU #: R396573

Version: 1

Analysis #: 611232

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Enantiomeric Excess	99-100 (%)	99.98000 %
Purity(HPLC)	97-100 (%)	97.20000 %
Appearance (R396573)	Faint Orange to Very Dark Orange powder or Crystals	Faint Orange to Very Dark Orange powder or Crystals
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager