

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-02 03:25:25

Date of Next Testing: 2026-04-01 03:25:25

Product Name: (R)-(+)-7-[N-(2-Benzylthio)ethylamino]-7"-[bis(3,5-di-t-butylphenyl)phosphino]-2,2",3,3"-tetrahydro-1,1"-spirobindane

CAS Number: 1809609-52-6

Specifications & Purity: ≥97%, ≥99%(ee)

Lot #: C2320400

SKU #: R282029

Version: 1

Analysis #: 169607

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

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	98.90000 %
Enantiomeric Excess	99-100 (%)	99.20000 %
Appearance(R282029)	off-white solid	off-white solid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
31P NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager