

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-15 09:05:17

Date of Next Testing: 2025-06-14 09:05:17

Product Name: (S)-(-)-(6,6'-Dimethoxybiphenyl-2,2'-diyl)bis(diphenylphosphine)

CAS Number: 133545-17-2

Specifications & Purity: ≥97%

Lot #: I2107541

SKU # S138161

Version 0

Analysis #: 241246

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=0.3 in Toluene)	-106--96 (°)	-100.30000 °
Purity(HPLC)	97-100 (%)	98.14000 %
Appearance (S138161)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, 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