

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 #:	I2107542
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