

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-08-04 15:04:37
Date of Next Testing:	2026-08-03 15:04:37
Product Name:	(S)-(-)-5,5'-Dichloro-2,2'-bis(diphenylphosphino)-6,6'-di methoxy-1,1'-biphenyl
CAS Number:	185913-98-8
Specifications & Purity:	≥97%
Lot #:	G23201111
SKU #	S281965
Version	2
Analysis #:	240888
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	67.95-72.15 (%)	69.70100 %
Specific rotation	-63--55 (°)	-60.53400 °
[α] ₂₀ /D (C=1% , Chloroform)		
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
Appearance(S281965)	White to Off White Powder or Crystals	White to Off White Powder or Crystals



John Su
QA & QC Manager