

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-20 17:41:46
Date of Next Testing: 2026-06-19 17:41:46
Product Name: (1S,2S)-N,N-Bis[2-(diphenylphosphino)benzyl]cyclohexane-1,2-diamine
CAS Number: 174677-83-9
Specifications & Purity: 95% , 98%ee
Lot #: F23131646
SKU #: S282228
Analysis: 223851
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	98.00%
Enantiomeric Excess	98-100 (%)	99.00000%
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager