

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-27 10:32:09
 Date of Next Testing: 2026-11-26 10:32:09
 Product Name: (R)-2,2'-Bis[bis(4-methoxy-3,5-dimethylphenyl)phosphino]-4,4',6,6'-tetramethoxybiphenyl
 CAS Number: 1365531-93-6
 Specifications & Purity: ≥97%
 Lot #: K2321473
 SKU #: R282041
 Version: 1
 Analysis #: 286527
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Enantiomeric Excess	98-100 (%)	99.99100 %
Purity(HPLC area)	97-100 (%)	97.01000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Phosphorus NMR spectrum	conforms to structure	Conforms to Structure
Appearance(R282041)	white crystal or powder	White Crystal or Powder



John Su
QA & QC Manager