

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-06-27 09:35:17
Date of Next Testing:	2024-06-16 09:35:17
Product Name:	(S)-(-)-2,2',6,6'-Tetramethoxy-4,4'-bis(diphenylphosphino)-3,3'-bipyridine
CAS Number:	362524-23-0
Specifications & Purity:	≥97%
Lot #:	F2223431
SKU #	T121313
Version	0
Analysis #:	098402
Storage Temperature:	Room temperature, Argon charged

Parameter	Limit Values	Result
Purity	97-100 (%)	98.00000 %
Nitrogen by Elemental Analysis	4.1-4.6 (%)	4.40000 %
Carbon by Elemental Analysis	68.3-73.3 (%)	70.30000 %
Specific Rotation [α] _{20/D} (c=1 CHCL ₃)	-102--94 (°)	-95.01000 °
Appearance (T121313)	White to Tan Crystal to Powder	White to Tan Crystal to Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager