

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-23 10:25:34

Date of Next Testing: 2027-12-13 10:25:34

Product Name: (R)-(+)-2,2',6,6'-Tetramethoxy-4,4'-bis(diphenylphosphino)-3,3'-bipyridine

CAS Number: 221012-82-4

Specifications & Purity: $\geq 97\%$

Lot #: E2211186

SKU #: T121324

Version: 0

Analysis #: 621333

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.06680 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ CHCL}_3)$	94-102 (°)	99.52°
Appearance (T121324)	White to Tan Solid	White to Tan Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager