

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-13 15:03:18
 Date of Next Testing: 2027-01-03 15:03:18
 Product Name: (-)-2,3-O-Isopropylidene-2,3-dihydroxy-1,4-bis(diphenylphosphino)butane
 CAS Number: 32305-98-9
 Specifications & Purity: ≥98%
 Lot #: B1506077
 SKU #: O115632
 Version: 1
 Analysis #: 447150
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	89-92 (°C)	89.36000 °C
Purity(As C)	98-102 (%)	100.42000 %
Specific Rotation [α] _{20/D} (c=2.3 in CHCL ₃)	-27--25 (°)	-26.13000 °
Appearance (O115632)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager