

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-14 16:51:21

Date of Next Testing: 2027-04-14 16:51:21

Product Name: **1,3-Bis(dicyclohexylphosphino)propane bis(tetrafluoroborate)**

CAS Number: 1002345-50-7

Specifications & Purity: $\geq 97\%$

Lot #: L1924112

SKU # **B137919**

Version **0**

Analysis #: **495406**

Parameter	Limit Values	Result
Melting point	178-183 (°C)	182.61300 °C
Purity(HPLC)	97-100 (%)	97.26000 %
Appearance (B137919)	White to Off-White to Yellow Powder or Crystals	White to Off-White to Yellow Powder or Crystals
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager