

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-08 14:12:08

Date of Next Testing: 2029-06-07 14:12:08

Product Name: (-)-6,6''-{[(1S,3S)-1,3-Dimethyl-1,3-propanediyl]bis(oxy)}bis[4,8-bis(t-butyl)-2,10-dimethoxy-bibenzo[d,f][1,3,2]dioxaphosphopin]

CAS Number: 852042-07-0

Specifications & Purity: ≥95%

Lot #: I2313323

SKU # D282019

Version 2

Analysis #: 718483

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific rotation $[\alpha]_{20/D}(c=1 \text{ in dichloromethane})$	-41.39~-31.39 (°)	-37.34000 °
Purity(As C)	95-100 (%)	96.46000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager