

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-24 16:40:16

Date of Next Testing: 2028-11-23 16:40:16

Product Name: (11b5)-N-(Diphenylmethyl)-N-(i-propyl)dinaphtho[2,1-d:1",2"-f][1,3,2]dioxaphosphepin-4-amine

CAS Number: 1637749-69-9

Specifications & Purity: $\geq 95\%$

Lot #: B2309893

SKU #: D281950

Version: 1

Analysis #: 608523

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.51600 %
Enantiomeric Excess	99-100 (%)	99.58600 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager