

Certificate of Analysis

Date of Testing: 2024-02-26 16:23:40

Date of Next Testing: 2027-02-25 16:23:40

Product Name: (11bR)-2,6-Bis([1,1'-biphenyl]-4-yl)-8,9,10,11,12,13,14,15-octahydro-4-hydroxy-4-oxide-dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin

CAS Number: 861909-35-5

Specifications & Purity: 98%,99% ee

Lot #: B2421133

SKU #: B281877

Analysis: 313387

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

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.97 %
Enantiomeric Excess	99-100 (%)	99.94450 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
31P NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager