

Certificate of Analysis

Date of Testing: 2024-10-30 14:37:20

Date of Next Testing: 2027-10-30 14:37:20

Product Name: (11bR)-8,9,10,11,12,13,14,15-Octahydro-4-hydroxy-2,6-diphenyl-4-oxide-dinaphtho[2,1-d:1",2"-f][1,3,2]dioxaphosphepin

CAS Number: 791616-65-4

Specifications & Purity: $\geq 98\%$, $\geq 99\%$ (ee)

Lot #: A2213394

SKU #: O282014

Version: 1

Analysis #: 421022

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

Parameter	Limit Values	Result
Enantiomeric Excess	99-100 (%)	99.53200 %
Purity(HPLC)	98-100 (%)	100.00000 %
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager