

## Certificate of Analysis

Date of Testing: 2024-07-10 16:12:22

Date of Next Testing: 2027-07-10 16:12:22

Product Name: (11b5)-8,9,10,11,12,13,14,15-Octahydro-4-hydroxy-4-oxide-dinaphtho[2,1-d:1",2"-f][1,3,2]dioxaphosphopin

CAS Number: 1193697-61-8

Specifications & Purity: 98%

Lot #: I2107510

SKU # O282007

Version 1

Analysis #: 375681

| Parameter              | Limit Values                          | Result                                |
|------------------------|---------------------------------------|---------------------------------------|
| Purity(HPLC)           | 98-100 (%)                            | 98.11700 %                            |
| Appearance (O282007)   | white to light-yellow powder or solid | white to light-yellow powder or solid |
| Proton NMR spectrum    | Conforms to Structure                 | Conforms to Structure                 |
| Phosphorus NMR Spectra | Conforms to Structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager