

Certificate of Analysis

Date of Testing: 2023-10-30 15:09:12
 Date of Next Testing: 2026-10-29 15:09:12
 Product Name: **1-(11bS)-Dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphopin-4-ylpiperidine**
 CAS Number: 284472-79-3
 Specifications & Purity: 96%
 Lot #: J2325228
 SKU #: **S281988**
Analysis: **270139**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(As C)	96-100 (%)	96.53 %
Enantiomeric Excess	98-100 (%)	99.87800 %
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager