

Certificate of Analysis

Date of Testing: 2023-10-17 14:15:20

Date of Next Testing: 2026-10-16 14:15:20

Product Name: (S)-3,3'-Bis(2-naphthyl)-5,5',6,6',7,7',8,8'-octahydro-1,1'-binaphthyl-2,2'-diyl
Hydrogen Phosphate

CAS Number: 2249931-95-9

Specifications & Purity: 98%

Lot #: J2313623

SKU #: S588243

Analysis: 271492

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

Parameter	Limit Values	Result
Purity(As C)	98-100 (%)	98.12 %
Enantiomeric Excess	98-100 (%)	99.99000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms



John Su
QA & QC Manager