

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-11 16:07:23

Date of Next Testing: 2026-03-10 16:07:23

Product Name: (R)-3,3'-Bis[3,5-bis(trifluoromethyl)phenyl]-5,5',6,6',7,7',8,8'-octahydro-1,1'-binaphthyl-2,2'-diyl Hydrogen Phosphate

CAS Number: 1011465-24-9

Specifications & Purity: $\geq 95\%$, $\geq 98\%$ (ee)

Lot #: C2303559

SKU #: B282011

Version: 1

Analysis #: 141377

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Optical purity(ee)	98-100 (%)	98.00000 %
Purity(HPLC)	95-100 (%)	98.00000 %
¹⁹ F NMR Spectrum	Conforms to structure	Conforms to Structure
NMR Spectrum ¹ H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager