

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-21 16:21:50

Date of Next Testing: 2029-08-20 16:21:50

Product Name: (S)-(+)-3,3'-Bis(3,5-bis(trifluoromethyl)phenyl)-1,1'-binaphthyl-2,2'-diyl hydrogenphosphate

CAS Number: 878111-17-2

Specifications & Purity: ≥98%

Lot #: K2116204

SKU #: B299328

Version: 1

Analysis #: 557903

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(As C)	98-102.5 (%)	99.83000 %
Optical Rotation (c = 1%; Chloroform (Stabilized with Ethanol))	205.0-255.0 (°)	253.50000 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(B299328)	White to Tan Solid, Powder, Crystals and/or Chunks	White to Tan Solid, Powder, Crystals and/or Chunks



John Su
QA & QC Manager