

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-21 14:48:53

Date of Next Testing: 2024-09-20 14:48:53

Product Name: (R,R,R)-(3,5-Dioxa-4-phosphacyclohepta[2,1-a:3,4-a']dinaphthalen-4-yl)bis(1-phenylethyl)amine

CAS Number: 415918-91-1

Specifications & Purity: ≥95%

Lot #: I2215339

SKU # S138818

Version 0

Analysis #: 102786

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Enantiometric Excess	98-100 (%)	99.16000 %
Purity(HPLC)	95-100 (%)	97.14400 %
Appearance (S138818)	White to Orange to Green powder to crystal	White to Orange to Green powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager