

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-03 18:30:18

Date of Next Testing: 2029-04-02 18:30:18

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

CAS Number: 444667-33-8

Specifications & Purity: ≥97%

Lot #: C2625006

SKU #: B589143

Version: 2

Analysis #: 688348

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in CHCL ₃)	-248 ~ -242 (°)	-242.05000 °
Purity(NMR)	97-100 (%)	99.95000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms



John Su
QA & QC Manager