

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-08-25 15:55:13

Date of Next Testing: 2029-08-24 15:55:13

Product Name: **1-(11bS)-Dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin-4-ylpiperidine**

CAS Number: 284472-79-3

Grades & Purity: $\geq 96\%$

Lot #: J2325227

SKU #: **S281988**

Version **3**

Analysis #: **752446**

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

Parameter	Limit Values	Result
Enantiomeric Excess	98-100 (%)	99.52000 %
Purity(As C)	96-100 (%)	96.01000 %
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager