

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-07-30 10:31:13

Date of Next Testing: 2029-07-29 10:31:13

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

CAS Number: 284472-79-3

Specifications & Purity: $\geq 96\%$

Lot #: J2325231

SKU #: **S281988**

Version: **3**

Analysis #: **747705**

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

Parameter	Limit Values	Result
Enantiomeric Excess	98-100 (%)	99.80000 %
Purity(As C)	96-100 (%)	96.50000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager