

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-21 09:18:37

Date of Next Testing: 2026-03-20 09:18:37

Product Name: (8aS)-18-Hydroxy-8,9-diphenyl-18-oxide-diphenanthro[4,3-d:3'',4''-f][1,3,2]dioxaphosphepin

CAS Number: 871130-17-5

Specifications & Purity: ≥98%, ≥99%(ee)

Lot #: C2310274

SKU #: H282303

Version: 1

Analysis #: 175461

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

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	98.00000 %
Enantiomeric Excess	99-100 (%)	99.00000 %
Appearance(H282303)	White to Tan to off-white to yellow Crystal to Powder	White to Tan to off-white to yellow Crystal to Powder
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
31P NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager