

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-02-10 13:24:59  
Date of Next Testing: 2029-02-09 13:24:59  
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 #: C2310341  
SKU #: H282303  
Version: 1  
Analysis #: 638549  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Enantiomeric Excess	99-100 (%)	99.52000 %
Purity(HPLC area)	98-100 (%)	99.97 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
31P NMR spectrum	Conforms to structure	Conforms to Structure
Appearance(H282303)	White to Tan to off-white to yellow Crystal to Powder	White to Tan to off-white to yellow Crystal to Powder



John Su  
QA & QC Manager