

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-07-16 10:37:55
Date of Next Testing:	2025-07-15 10:37:55
Product Name:	(11bS)-8,9,10,11,12,13,14,15-Octahydro-4-hydroxy-2,6-bis[2,4,6-tris(1-methylethyl)phenyl]-4-oxide-dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin
CAS Number:	878111-20-7
Specifications & Purity:	98%
Lot #:	G2213434
SKU #	B300943
Analysis:	099581
Storage Temperature:	Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.12000 %
Enantiomeric Excess	99-100 (%)	99.15000 %
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance(B300943)	White to off-white to light yellow solid	white to off-white to light yellow solid



John Su
QA & QC Manager