

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-14 09:31:57
 Date of Next Testing: 2027-08-14 09:31:57
 Product Name: **(R)-H8-BINAP**
 CAS Number: 139139-86-9
 Specifications & Purity: $\geq 98\%$
 Lot #: H2401215
 SKU #: **R587131**
 Version: **1**
 Analysis #: **348512**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.95800 %
Specific rotation $[\alpha]_{20/D(c = 0.5 \text{ in Toluene})}$	69-79 (°)	74.84500 °
Appearance(R587131)	White to Beige Powder or Crystals	white to beige powder or crystals
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager