

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-24 10:37:41
 Date of Next Testing: 2029-09-23 10:37:41
 Product Name: (S)-(-)-2-Amino-2'-hydroxy-1,1'-binaphthyl
 CAS Number: 137848-29-4
 Specifications & Purity: ≥98%
 Lot #: B1413067
 SKU #: A120831
 Version: 1
 Analysis #: 576956
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	97-100 (%)	98.31800 %
Specific Rotation [α] _{20/D} (c=1 in THF)	-123--117 (°)	-117.57500 °
Melting point	171-175 (°C)	172.59800 °C
Purity(HPLC)	98-100 (%)	98.31800 %
Optical purity	98-100 (%)	98.98000 %
Appearance (A120831)	White to red crystals or powder	White to red crystals or powder
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager