

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-22 13:56:25  
Date of Next Testing: 2026-12-21 13:56:25  
Product Name: **(R)-(+)-2-Amino-2'-hydroxy-1,1'-binaphthyl**  
CAS Number: 137848-28-3  
Specifications & Purity: 98%  
Lot #: L2213127  
SKU #: **A120823**  
Analysis: **151584**

Parameter	Limit Values	Result
Optical purity	98-100 (%)	99.20%
Melting point	171-175 (°C)	171.42000 °C
Purity(HPLC)	98-100 (%)	99.53800%
Purity(NonaqueousTitration)	97-100 (%)	98.50%
Specific Rotation [α] <sub>20</sub> /D(c=1 in THF)	117-123 (°)	122.78°
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager