

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-10 15:45:00  
Date of Next Testing: 2027-10-31 15:45:00  
Product Name: **(S)-BINOL**  
CAS Number: 18531-99-2  
Specifications & Purity:  $\geq 99\%$   
Lot #: K2507132  
SKU #: **B100620**  
Version: **0**  
Analysis #: **607238**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Melting point	205-211 (°C)	210.43000 °C
Specific Rotation [a] <sub>20</sub> /D(c=1 in THF)	-38--33 (°)	-33.02700 °
Purity(HPLC)	99-100 (%)	99.91200 %
Appearance (B100620)	white to grey powder or crystals	white to grey powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager