

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-18 16:11:32
Date of Next Testing: 2027-01-08 16:11:32
Product Name: **(S)-BINOL**
CAS Number: 18531-99-2
Specifications & Purity: $\geq 99\%$
Lot #: A2517146
SKU #: **B100620**
Version: **0**
Analysis #: **415513**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Melting point	205-211 (°C)	210.43000 °C
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in THF})$	-38--33 (°)	-33.03°
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