

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-21 13:51:07  
Date of Next Testing: 2025-08-20 13:51:07  
Product Name: **(R)-2 , 2'-Bis(methoxymethoxy)-1 , 1'-binaphthyl**  
CAS Number: 173831-50-0  
Specifications & Purity: 97%  
Lot #: H2316627  
SKU #: **R134324**  
Analysis: **224802**

Parameter	Limit Values	Result
Melting point	98.5-104.5 (°C)	99.55000 °C
Purity(HPLC)	97-100 (%)	97.29600 %
Specific Rotation [a] <sub>20</sub> /D(c=1 in CHCL <sub>3</sub> )	87-97 (°)	87.25 °
Appearance (R134324)	White to Light yellow to brown powder,crystals and/or chunks	White to Light yellow to brown powder,crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager