

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2023-07-08 16:28:59

Date of Next Testing: 2027-07-07 16:28:59

Product Name: (R,R)-(-)-2,3-Dimethoxy-1,4-bis(dimethylamino)butane

CAS Number: 26549-22-4

Specifications & Purity: ≥90%

Lot #: G2301156

SKU #: R160895

Version: 1

Analysis #: 237699

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter                                         | Limit Values                                     | Result                                           |
|---------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Purity(GC)                                        | 90-100 (%)                                       | 95.00000 %                                       |
| specific rotation<br>[α] <sub>20/D</sub> (c=Neat) | -14.5~-9.5 (°)                                   | -13.56000 °                                      |
| Appearance(R160895)                               | Colorless to Light orange to Yellow clear liquid | Colorless to Light orange to Yellow clear liquid |
| NMR Spectrum 1H                                   | Conforms to Structure                            | Conforms to Structure                            |



John Su  
QA & QC Manager