

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-28 10:08:59  
 Date of Next Testing: 2029-04-27 10:08:59  
 Product Name: L-(-)-Xylose  
 CAS Number: 609-06-3  
 Specifications & Purity: Moligand™, ≥99%  
 Lot #: D2522440  
 SKU #: X115551  
 Version: 0  
 Analysis #: 339504  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                                        | Limit Values                          | Result                                |
|------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O) | -21--18 (°)                           | -19.90000 °                           |
| Purity(HPLC)                                                     | 99-100 (%)                            | 99.95000 %                            |
| Loss on drying                                                   | 0-0.5 (%)                             | 0.04295 %                             |
| loss on Ignition                                                 | 0-0.1 (%)                             | 0.00000 %                             |
| Proton NMR spectrum                                              | Conforms to Structure                 | Conforms to Structure                 |
| Appearance (X115551)                                             | white to off-white crystalline powder | white to off-white crystalline powder |
| Infrared spectrum                                                | Conforms to Structure                 | Conforms to Structure                 |
| Solubility in H <sub>2</sub> O , colorless and clear (50mg/ml)   | pass                                  | Pass                                  |



John Su  
QA & QC Manager