

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-05-15 10:50:51  
 Date of Next Testing: 2029-05-14 10:50:51  
 Product Name: **D-(+)-Xylose**  
 CAS Number: 58-86-6  
 Specifications & Purity: Moligand™, ≥99%  
 Lot #: E2509373  
 SKU #: **X101012**  
 Version: **0**  
 Analysis #: **503091**  
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                                                                   | Limit Values          | Result                |
|-----------------------------------------------------------------------------|-----------------------|-----------------------|
| Melting point                                                               | 146-158 (°C)          | 156.01000 °C          |
| Purity(HPLC)                                                                | 99-100 (%)            | 99.77000 %            |
| Specific Rotation [α] <sub>20/D</sub> (c=10 in H <sub>2</sub> O)            | 19-21 (°)             | 20.14000 °            |
| Appearance (X101012)                                                        | White powder          | White powder          |
| Solubility in H <sub>2</sub> O , Clear Colorless, 50mg/ml, H <sub>2</sub> O | pass                  | Pass                  |
| Infrared spectrum                                                           | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager