

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-10 13:35:39  
 Date of Next Testing: 2029-08-09 13:35:39  
 Product Name: **D-(+)-Xylose**  
 CAS Number: 58-86-6  
 Specifications & Purity: Moligand™, ≥98%  
 Lot #: H2506594  
 SKU #: **X101009**  
 Version: **0**  
 Analysis #: **526039**  
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                                                        | Limit Values          | Result                |
|------------------------------------------------------------------|-----------------------|-----------------------|
| Melting point                                                    | 146-153 (°C)          | 146.30000 °C          |
| Purity(HPLC)                                                     | 98-100 (%)            | 99.50000 %            |
| Specific Rotation [α] <sub>20/D</sub> (c=10 in H <sub>2</sub> O) | 19-21 (°)             | 19.20000 °            |
| Appearance (X101009)                                             | white powder          | White powder          |
| Solubility, Colorless and clear(5% in H <sub>2</sub> O)          | pass                  | Pass                  |
| Infrared spectrum                                                | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager