

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-30 10:00:05

Date of Next Testing: 2028-03-29 10:00:05

Product Name: **D-(+)-Xylose**

CAS Number: 58-86-6

Specifications & Purity: 98%

Lot #: C2425611

SKU #: **X101009**

**Analysis:** **328750**

Storage Temperature: Argon charged

| Parameter                                                        | Limit Values          | Result                |
|------------------------------------------------------------------|-----------------------|-----------------------|
| Purity(HPLC)                                                     | 98-100 (%)            | 99.25500 %            |
| Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O) | 19-21 (°)             | 19.01°                |
| Melting point                                                    | 146-153 (°C)          | 148.95000 °C          |
| 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 |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager