

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-08 10:10:19

Date of Next Testing: 2028-01-07 10:10:19

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

CAS Number: 58-86-6

Specifications & Purity: Moligand™, ≥99%

Lot #: A2403235

SKU #: **X101012**

Version: **0**

Analysis #: **306466**

Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                                                                   | Limit Values          | Result                |
|-----------------------------------------------------------------------------|-----------------------|-----------------------|
| Melting point                                                               | 146-158 (°C)          | 155.74000 °C          |
| Purity(HPLC)                                                                | 99-100 (%)            | 99.95200 %            |
| Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)            | 19-21 (°)             | 19.99000 °            |
| 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 |



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QA & QC Manager