

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-05-25 14:01:50

Date of Next Testing: 2028-05-24 14:01:50

Product Name: **DL-Xylose**

CAS Number: 25990-60-7

Specifications & Purity: $\geq 98\%$

Lot #: E2420500

SKU #: **X120940**

Version: **0**

Analysis #: **347063**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O}+\text{ammonia H}_2\text{O}(2+3)0.4\text{ml})$	-1-1 (°)	0.40500°
Purity(HPLC)	98-100 (%)	98.87000%
Solubility in H ₂ O	Almost transparency	almost transparency
Appearance (X120940)	White to Off-White Powder	White to Off-White Powder to Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR (1H-NMR)	complies	complies



John Su
QA & QC Manager