

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-06 17:20:00

Date of Next Testing: 2027-06-05 17:20:00

Product Name: **L-(-)-Fucose**

CAS Number: 2438-80-4

Specifications & Purity: 98%

Lot #: F2301026

SKU #: **F110930****Analysis: 055724**

Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|--|-------------------------------------|-------------------------------------|
| Purity(HPLC) | 98-100 (%) | 99.70700 % |
| Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O) | -77--72 (°) | -76.45 ° |
| Melting point | 138-142 (°C) | 140.57000 °C |
| Appearance (F110930) | White to Off-White Powder or Chunks | White to Off-White Powder or Chunks |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O , Colorless to Faint Yellow , Clear , 50 mg/ml H ₂ O | pass | Pass |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |

John Su
QA & QC Manager