

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-20 17:55:30

Date of Next Testing: 2027-05-19 17:55:30

Product Name: **dextran sulfates**

CAS Number: 9011-18-1

Specifications & Purity:

Lot #: E2317102

SKU #: **D491663****Analysis: 226209**

| Parameter | Limit Values | Result |
|--|---------------------------|---------------------------|
| Molecular Weight | 70000-130000 (Da) | 80977.00 Da |
| Loss on drying | 0-10 (%) | 4.00 % |
| Sulfur(S) | 16-20 (%) | 18.00 % |
| Specific Rotation [a] ₂₀ /D | 70-115 (°) | 96.00° |
| pH(25°C, 1% in 1M NaCl) | 5.0-7.5 | 6.50000 |
| Free sulfates | 0-2 (%) | 0.20000 % |
| Appearance(D491663100kDaHS) | White to off-white powder | White to Off-White Powder |

John Su
QA & QC Manager