

## Certificate of Analysis

Date of Testing: 2023-09-05 11:05:33

Date of Next Testing: 2027-09-04 11:05:33

Product Name: **Dextran**

CAS Number: 9004-54-0

Specifications & Purity:

Lot #: I2304104

SKU #: **D491699**

**Analysis:** **271739**

Storage Temperature: Argon charged

| Parameter                              | Limit Values              | Result                    |
|----------------------------------------|---------------------------|---------------------------|
| Heavy metal (as Pb)                    | 0-20 (ppm)                | 2.00 ppm                  |
| Inherent Viscosity                     | 18-23 (ml/g)              | 19.00 ml/g                |
| Sulfate Ash                            | 0-0.3 (%)                 | 0.03 %                    |
| Loss on Drying(105°C,5h)               | 0-7 (%)                   | 3.90 %                    |
| Bacterial endotoxins(10% sol.)         | 0-1 (EU/ml)               | 0.50 EU/ml                |
| PH (10% Water)                         | 4.5-7                     | 5.80                      |
| MW/Mn                                  | 1.4-1.9                   | 1.60                      |
| Average Molecular Weight               | 35000-45000               | 38774.00                  |
| Nitrogen containing substances         | 0-100 (ppm)               | 13.00 ppm                 |
| Absorbance 375nm (10% solution,4cm)    | 0-0.2                     | 0.02                      |
| Specific Rotation [α] <sub>20</sub> /D | 195-203 (°)               | 197.00 °                  |
| Arsenic(As)                            | 0-1.3 (ppm)               | 1.30000 ppm               |
| Appearance(D491699-40k)                | White to Off-White Powder | White to Off-White Powder |
| Infrared spectrum                      | Conforms to Structure     | Conforms to Structure     |



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