

## Certificate of Analysis

Date of Testing: 2023-05-22 14:43:49

Date of Next Testing: 2027-05-21 14:43:49

Product Name: **Dextran**

CAS Number: 9004-54-0

Specifications & Purity:

Lot #: E2318165

SKU #: **D491699**

Version: **1**

Analysis #: **226434**

Storage Temperature: Argon charged

| Parameter                                   | Limit Values              | Result                    |
|---------------------------------------------|---------------------------|---------------------------|
| Average Molecular Weight                    | 63000-77000               | 65867.00                  |
| Sulfate Ash                                 | 0-0.3 (%)                 | 0.03 %                    |
| Average Molecular Weight Inherent Viscosity | 24-29 (ml/g)              | 25.00000 ml/g             |
| Nitrogen containing substances              | 0-100 (ppm)               | 7.00 ppm                  |
| Loss on drying(105°C,5h)                    | ≤7 (%)                    | 3.90 %                    |
| Specific Rotation [α] <sub>20/D</sub>       | 195-203 (°)               | 197.00 °                  |
| Absorbance 375nm (6% solution,4cm)          | 0-0.15                    | 0.04                      |
| Heavy metal (as Pb)                         | 0-5 (ppm)                 | 5.00 ppm                  |
| MW/Mn                                       | 1.4-1.9                   | 1.40                      |
| Bacterial endotoxins(6% sol.)               | 0-0.5 (EU/ml)             | 0.02 EU/ml                |
| PH (6% Water)                               | 4.5-7                     | 6.00                      |
| Appearance(D491699-70k)                     | White to Off-White Powder | White to Off-White Powder |
| Infrared spectrum                           | Conforms to Structure     | Conforms to Structure     |



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