

# DEXTRAN PRODUCTS

## DEXTRAN SULFATE SODIUM SALT M.W. 40,000

CAS #: 9011-18-1

Formula: (C<sub>6</sub>H<sub>7</sub>Na<sub>3</sub>O<sub>14</sub>S<sub>3</sub>)

DS40-5201

BIO ULTRA GRADE

| ANALYSIS                                  |                                          | SPECIFICATIONS                   |
|-------------------------------------------|------------------------------------------|----------------------------------|
| Appearance                                |                                          | Off-white to light yellow powder |
| Clarity (20% Solution)                    | Absorbance at 360nm<br>Black Speck/100ml | NMT 0.9 OD Unit<br>NMT 10        |
| Chloride Content                          |                                          | NMT 1000 ppm                     |
| Free Inorganic Sulphate                   |                                          | NMT 0.2%                         |
| Glucose Content                           |                                          | 35.0% - 48.0%                    |
| Identity (Colorimetric)                   |                                          | To Pass Test                     |
| Insoluble Iron                            |                                          | NMT 2.0%                         |
| Loss on Drying                            |                                          | NMT 10.0%                        |
| pH of Aqueous Solution (1%)               |                                          | 5.0 - 7.5                        |
| Residue on Ignition                       |                                          | 35.0% - 50.0%                    |
| Residual Pyridine                         |                                          | NMT 2.0%                         |
| Specific Rotation $[\alpha]_{D^{20}}$     |                                          | +75° to +105°                    |
| Specific Viscosity (In 1.0M NaCl at 25°C) |                                          | 0.05 - 0.13                      |
| Total Sulphur Content                     |                                          | 17.0% - 20.0%                    |

**Intended for use in industrial applications such as R&D, laboratory, food, flavor, fragrance and life science.**

Dextran Sulfate Sodium Salt, MW 40,000 is a polyanionic derivative of Dextran Polymer, produced by the esterification of Dextran with Chlorosulphonic Acid. It has a wide variety of uses in Life science and many other industrial applications. Our Dextran Sulfate is produced, refined and purified at our plant in Scarborough, Ontario, Canada.

### General Product Description

- Appears as an off-white to light yellow powder
- Manufactured in an enzyme free, hormone free and animal free environment
- Has no major food allergens (as defined by FDA and WHO).
- The final product nor its raw materials are not derived from nor come into contact with animal parts, animal products, and/or animal byproducts or derivatives.
- Is not subject to genetic modification
- Visit the product page on our website ([www.dextran.ca](http://www.dextran.ca)) for additional information, supporting regulatory documents, and CofAs.

### Storage and Shipping Conditions

Refer to SDS.

### Standard Shelf Life Policy

Retest 3-years from date of manufacture.

### Standard Lead Time

Based on inventory – please inquire.

### Package Sizes

100g, 500g, 1kg, 5kg, 10kg, 25kg, 50kg

### Country of Origin: Canada

*This is not considered a controlled document. We are not responsible for any errors or omissions.*