

## DEXTRAN SULFATE SODIUM SALT, MW 8,000

BIOTECH, LBLE, GMP

CAS #: 9011-18-1

Formula:  $(C_6H_7Na_3O_{14}S_3)_n$

F.W.: 8,000 g/mol

DXSE-4252

BIO PHARMA GRADE

ANALYSIS	SPECIFICATIONS
Appearance (Color)	Off White to Light Yellow
Appearance (Form)	Powder
Chloride Content	$\leq 1000$ ppm
Clarity (20% Solution) Absorbance at 360 nm	$\leq 0.9$ OD unit
Enzymes DNase – Endo/Nickase DNase – Exonuclease Protease	Passes Test Passes Test Passes Test
Free Inorganic Sulfate	$\leq 0.2\%$
Glucose	35 – 48%
Identity (colorimetric)	Passes Test
Insoluble Iron	$\leq 2.0\%$
Loss on Drying	$\leq 10.0\%$
Microbial Content	$\leq 10$ CFU/g
pH (1% solution)	5.0 – 7.5
Residue on Ignition	35 – 50%
Residue Pyridine	$\leq 2.0\%$
Specific Rotation 20°C	+75° - +105°
Total Sulfur Content	17.0 – 20.0%
Viscosity 1.0M NaCl / 25°C	0.018 – 0.032

Country of Origin: USA

### Standard Shelf Life Policy

Each Certificate of Analysis (CofA) will contain a 2-year retest/recertification date supported by a 3-year ICH Q1 Stability Study (if one is completed).

### Package Sizes

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

### Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

This is a high purity, GMP, Reagent grade product, purified under full cGMP conditions. Dextran Sulfate Sodium Salt, MW 8,000, is a polyanionic derivative of dextran, produced by the esterification of the glucose polymer (glucan polysaccharide) with chlorosulphonic acid. Dextran fractions are characterized by their average MW and MW distribution with predominantly 1-6 glycosidic bonds and 5% or less of 1-3 branching. Dextran Sulfate Sodium Salt, MW 8,000 is used in the solubilization and purification process of protein molecules intended for use in a final drug product. Dextran is neutral in pH, soluble in water, easily filtered and biodegradable.

### General Product Description

- Appears as an off-white to light yellow powder
- Manufactured under an ICH-Q7 Quality Managed cGMP System
- 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 nor come into contact with animal parts, animal products, and/or animal byproducts or derivatives.
- Is not subject to genetic modification
- Synonyms: Dextran Hydrogen Sulfate, Sodium Salt
- Visit the product page on our website ([www.biospectra.us](http://www.biospectra.us)) for additional information, supporting regulatory documents, and CofAs.

### Storage and Shipping Conditions

Refer to SDS.

### Standard Lead Time

1-2 weeks