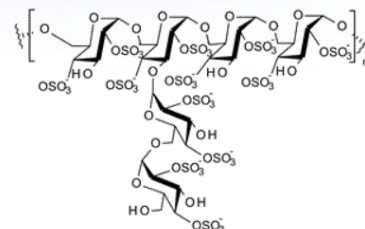


### DEXTRAN SULFATE 8000 Na

#### Intended For Use In Commercial Manufacturing, Diagnostic And Laboratory Applications

Dextran Sulfate 8000 Na 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. Each base dextran polymer has characteristics unique to the specific strain of bacteria from which it was derived. In addition to variables in molecular weight and branching, the level of sulfonation adds to the unique character and performance of the finished product in terms of its intended end use. Dextran Sulfate 8000 Na, 8000 MW is used in the solubilization and purification process of protein molecules intended for use in a final drug product. Dextran is neutral in pH and soluble in water. It is easily filtered and biodegradable.



**CAS #:** 9011-18-1  
**Molecular Formula:**  $(C_6H_7Na_3O_{14}S_3)_n$   
**M.W.:** 8000 g/mol  
**pH @ 20°C:** 5.0 – 7.5

#### BIO ULTRA GRADE | Product Code: DXSE-5201

$(C_6H_7Na_3O_{14}S_3)_n$  M.W. 8000 g/mol. CAS# 9011-18-1



These are general specifications. BioSpectra will customize our products to meet your quality based requirements.

ANALYSIS	SPECIFICATIONS
Appearance (Color)	Off White to Light Yellow
Appearance (Form)	Powder
Chloride Content	≤ 1000 ppm
DNase-Endo/Exonuclease	Pass
DNase – Nickase	Pass
Free Inorganic Sulfate	≤ 0.2%
Glucose	35-48%
Identity (colorimetric)	Pass
Insoluble Iron	≤ 2.0%
Loss on Drying	≤ 10.0%
Microbial Contamination	≤ 10 CFU/g
pH 1% aqueous	5.0 – 7.5
Protease Detection	Pass
Residue on Ignition	35 – 50%
Residue Pyridine	≤ 2.0%
Specific Rotation 20°C	75-105°
Total Sulfur Content	17.0-20.0%
UV Absorbance 360nm 20% aqueous	≤ 0.9 Abs UN
Viscosity 1.0M NaCl / 25°C	0.018-0.032



## General Product Description:

- Dextran Sulfate 8000 Na is an off white to light yellow powder
- Molecular Formula:  $(C_6H_7Na_3O_{14}S_3)_n$
- Molecular Weight: 8000 g/mol.
- CAS Number: 9011-18-1
- There are no known major food allergens (as defined by FDA and WHO) in the manufacture of this product.
- BioSpectra certifies that all Dextran Sulfate 8000 Na, DXSE-5201 manufactured at BioSpectra and its raw materials are not derived from or come in contact with animal parts, products, and/or byproducts.
- Dextran Sulfate 8000 Na manufactured at BioSpectra and any raw materials used in the manufacture of Dextran Sulfate 8000 Na at BioSpectra are not subject to genetic modification.
- Synonyms: Dextran, Hydrogen Sulfate, Sodium Salt

## Compliance:

Material represented by this grade is suitable to be used only as the following: Quality System Manufactured Process Chemical for use in further manufacturing or as a reagent chemical for commercial manufacturing, diagnostic and laboratory research. The material represented by this grade is not suitable to be used as an Excipient, Active Pharmaceutical Ingredient, Drug, Drug Product or household item.

## Retest Date:

The recommended shelf life for Dextran Sulfate 8000 Na is three years from the date of manufacture.

## Storage and Shipping Conditions:

Store at Room Temperature 10-30° C

## Package Sizes:

10kg, 25kg and 50kg pails.

***Lead Time: 3-6 months (depends on RM supply)***  
***Minimum Order Quantity: 10kg***