

# DEXTRAN SULFATE SODIUM SALT, MW 8,000

## LBLE, GMP

CAS #: 9011-18-1

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

M.W.: 8,000

DXSE-4250

BIO PHARMA GRADE

ANALYSIS	SPECIFICATIONS	
Appearance (Color)	Off White to Light Yellow Powder	
Absorbance (20%) 360nm	< = 0.9 OD unit	
Chloride	< = 1000 ppm	
Endotoxin	< = 0.012 EU/mg	
Free Inorganic Sulfate	< = 0.2%	
Glucose	35 – 48%	
Identification, Colorimetric	Passes Test	
Insoluble Iron	< = 2%	
Loss on Drying	< = 10%	
Manganese	< = 1 ppm	
Microbial Content	TAMC TYMC	< 50 CFU/g < 50 CFU/g
pH (1%)	5.0 – 7.5	
Residue on Ignition	35 – 50%	
Pyridine	< = 2%	
Specific Rotation, 20°C	+75° to 105°	
Specific Viscosity (In 1.0M NaCl, 25°C)	0.018 – 0.032	
Sulfur	17 – 20%	

### General Product Overview

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 which are intended for use in a final drug product. Dextran is soluble in water, easily filtered and biodegradable.

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### Industry Application

Suitable for use as a cGMP chemical in pharmaceutical manufacturing processes.

### Key Product Features

- The manufacturing of Dextran Sulfate Sodium Salt, MW 8,000, DXSE-4250 is performed at BioSpectra's Bangor, PA facility.
- Appears as an off-white to light yellow powder
- Manufactured in accordance with IPEC
- Manufactured in an enzyme free, hormone free and animal free environment
- Contains no major food allergens (as defined by FDA and WHO)
- The final product and 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
- Synonyms: Dextran, Hydrogen Sulfate, Sodium Salt

### Storage and Shipping Conditions

Refer to SDS.

### Standard Shelf-Life Policy

Unless otherwise noted on the Shelf-Life Statement and CoA, this product has a 2-year retest date supported by a 3-year ICH Q1 Stability Study (if one is completed).

### Package Sizes

10kg, 25kg and 50kg pails

[Click here to view SDS, CoAs and other supporting regulatory documents on our website.](#)