

DEXTRAN SULFATE SODIUM SALT, MW 40,000

BET*, GMP

CAS #: 9011-18-1

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

M.W.: 40,000

DXS4-3250

BIO EXCIPIENT GRADE

ANALYSIS		SPECIFICATIONS
Appearance and 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)		0.05 – 0.13
Sulfur		17 – 20%

General Product Overview

Dextran Sulfate Sodium Salt, MW 40,000, 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 40,000, 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.

Industry Application

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

Key Product Features

- The manufacturing of Dextran Sulfate Sodium Salt, MW 40,000, 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 known 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.](#)

*Bioburden and Endotoxin Tested

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