

DEXTRAN SULFATE SODIUM SALT, MW 8,000

LOW BIOBURDEN, 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 and Color		Off White to Light Yellow Powder
Chloride		≤ 1000 ppm
Absorbance (20%)	360 nm	≤ 0.9 OD Unit
Enzymes	DNase – NICKase	None Detected
	DNase – Exonuclease	None Detected
	Protease	None Detected
Free Inorganic Sulfate		$\leq 0.2\%$
Glucose		35 – 48%
Identification, Colorimetric		Passes Test
Insoluble Iron		$\leq 2.0\%$
Loss on Drying		$\leq 10.0\%$
Microbial Content	TAMC	≤ 10 CFU/g
	TYMC	≤ 10 CFU/g
pH (1%)		5.0 – 7.5
Residue on Ignition		35 – 50%
Pyridine		$\leq 2.0\%$
Specific Rotation, 20°C		+75° to +105°
Sulfur		17.0 – 20.0%
Specific Viscosity (In 1.0M NaCl, 25°C)		0.018 – 0.032

General Product Overview

This is a high purity, reagent grade product, purified under 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 soluble in water, easily filtered and biodegradable.

Industry Application

Suitable for use in biological and biotech chemical process applications from R&D through scale cGMP production.

General Product Description

- 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

1kg, 5kg, 10kg, 25kg, 50kg

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

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