

**CERTIFICATE OF ANALYSIS**

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek. Certificate Number. 2317548

Catalogue Number	44149
Lot Number	A0477653
Description	Dextran sulfate sodium salt, approx. M.W. 6,500 - 10,000
CAS Number	9011-18-1
Quality Test/Release Date	17/Nov/2025
Suggested retest date	17/Nov/2030
Country of Origin	CANADA
Declaration of Origin	synthetic
BSE/TSE	Not directly derived from or manufactured with any animal byproducts in any way (Including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Appearance (Color)		White to light yellow to light brown	White
Appearance (Form)		Powder	Powder
Solubility		(10 % in water) Clear to slightly hazy	(10 % in water) Clear to slightly hazy
Solubility		colorless to light yellow	colorless
Loss on drying	%	=<10	6.4
pH		5 to 8 (1 % solution)	7.2 (1 % solution)
Residue after ignition	%	35 to 50	41.1
Specific optical rotation		+75° to +105° (20°C, 589 nm) (6% in water)	+77.5° (20°C, 589 nm) (6% in water)
Sulfur (S)	%	16 to 20	19.5
Specific viscosity		0.018 to 0.032 (1.0M in NaCl, 25°C)	0.03 (1.0M in NaCl, 25°C)
Molecular weight		6500 to 10000	8000

Geert Torfs  
Supervisor, QC

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.