

# BIOSPECTRA

100 Majestic Way, Bangor, PA 18013 / www.biospectra.us

Effective Date:	05-Feb-2025	05-Feb-2028	: Date of Next Review
Prepared By:	Taylor Yurick	BSI-COA-0185 v.1.2	: Supersedes
QA/QC Approval:	Jaron Hughes	Carissa Albert	: Management Approval
Reason for Revision:	See Revision History in MasterControl.		

## CERTIFICATE OF ANALYSIS

### DEXTRAN SULFATE SODIUM SALT, 8000MW

### BIO PHARMA GRADE / DXSE-4250

### LOT: DXSE-G13-0825-0011

 $(C_6H_7Na_3O_{14}S_3)_n$  \* M.W. 8000 \* CAS# 9011-18-1

Manufacture Date: 08/27/25 Retest Date: 09/30/27

Manufacturing Site: 100 Majestic Way, Bangor PA, 18013

Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANALYSIS	SPECIFICATION	TEST RESULT
Appearance	Off white to light yellow powder	Off white to light yellow powder
Clarity (20% solution) Absorbance at 360nm	$\leq 0.9$ OD unit	$< 0.9$ OD unit
Chloride	$\leq 1000$ ppm	$< 1000$ ppm
Endotoxin	$\leq 0.012$ EU/mg	$< 0.005$ EU/mg
Free Sulfate	$\leq 0.2\%$	$< 0.2\%$
Glucose	35 - 48%	37%
Identification (Colorimetric)	Passes Test	Passes Test
Insoluble Iron	$\leq 2\%$	$< 0.00045\%$
Loss on Drying	$\leq 10\%$	3%
Manganese (as reported)	$\leq 1$ ppm	0.2 ppm
pH (1% solution)	5.0 - 7.5	7.3
Residue on Ignition	35 - 50%	43%
Pyridine	$\leq 2\%$	$< 2\%$
Specific Rotation $[\alpha]_D^{20}$	$+75^\circ - +105^\circ$	$+83^\circ$
Specific Viscosity (In 1.0M NaCl at 25°C)	0.018 - 0.032	0.029
Total Bioburden	$\leq 100$ CFU/g	$< 10$ CFU/g
Sulfur	17 - 20%	18 %

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COUNTRY OF ORIGIN: U.S.A.

TEST METHOD REFERENCE: DCN: BSI-ATM-0091

INTENDED USE: Material represented by this Certificate of Analysis is suitable for use as a process chemical. It is manufactured in accordance with the IPEC-PQG Joint Good Manufacturing Practice Guide. The material represented by this Certificate of Analysis is not suitable to be used as an Active Pharmaceutical Ingredient, Drug, Drug Product or Household Item.

Prepared by: Amil McCall Date: 10/2/25 Job Title: QA Tech III

Reviewed by: James Anglin Date: 10/2/25 Job Title: QA Supervisor