BIOSPECTRA

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

Effective Date:	22-Sep-2026	22-Sep-2029	: Date of Next Review
Prepared By:	Amy Yencho	Not Applicable	: Supersedes
QA/QC Approval:	Krista Rehrig	Carissa Albert	: Management Approval
Reason for Revision:	See Revision History in MasterControl.		

CERTIFICATE OF ANALYSIS

DEXTRAN SULFATE SODIUM SALT, MW 40,000

GMP

BIO EXCIPIENT GRADE / DXS4-3250

LOT: DXS4-L10-0926-0002

$(C_6H_7Na_3O_{14}S_3)n$ ⅄ M.W. 40,000 ⅄ CAS# 9011-18-1

Manufacture Date: 09/24/26 Retest Date: 09/30/28

Manufacturing Site: 100 Majestic Way, Bangor PA, 18013

Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANALYSIS		SPECIFICATION	TEST RESULT
Appearance and Color		Off White to Light Yellow Powder	Passes Test
Absorbance (20%)	360nm	< = 0.9 OD unit	< 0.9 OD unit
Chloride		< = 1000 ppm	< 1000 ppm
Endotoxin		< = 0.012 EU/mg	< 0.005 EU/mg
Free Inorganic Sulfate		< = 0.2 %	< 0.2 %
Glucose		35 – 48 %	39 %
Identification, Colorimetric		Passes Test	Passes Test
Insoluble Iron		< = 2 %	< 0.00045 %
Loss on Drying		< = 10 %	5 %
Microbial Content	TAMC	< 50 CFU/g	< 10 CFU/g
	TYMC	< 50 CFU/g	< 10 CFU/g
pH (1%)		5.0 - 7.5	7.0
Residue on Ignition		35 – 50 %	41 %
Pyridine		< = 2 %	< 2 %
Specific Rotation, 20°C		+75° to +105°	+94°
Specific Viscosity (In 1.0M NaCl, 25°C)		0.05 - 0.13	0.07
Sulfur		17 – 20 %	19 %

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COUNTRY OF ORIGIN: U.S.A.

TEST METHOD REFERENCE: DCN: BSI-ATM-0149

INTENDED USE: Material represented by this Certificate of Analysis is suitable for use as an excipient. It is manufactured in accordance with the ICH Q7 Good Manufacturing Practice Guide. The material represented by this Certificate of Analysis is not suitable to be used as an Active Pharmaceutical Ingredient, Drug Product or Household Item.

Prepared by: David McCall Date: 10/29/26 Job Title: QA Tech III

Reviewed by: Jason Bingham Date: 10/29/26 Job Title: QA Supervisor

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