

BIO SPECTRA

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

Effective Date:	26-Mar-2021	26-Mar-2024	: Date of Next Review
Prepared By:	Jared L Lobb	19-003007 v. 1.1	: Supersedes
QA/QC Approval:	Jaron Hughes	Wendy Santay	: Management Approval
Reason for Revision:	See Revision History in ensur.		

CERTIFICATE OF ANALYSIS
SODIUM CHLORIDE 5M SOLUTION
 CGMP, STERILE FILTERED, MADE WITH MULTI-COMPENDIAL NaCl AND WFI 1025L
 BPC WITH SATELLITE SAMPLES

BIO EXCIPIENT GRADE / NEW CODE NaCl-3150-76
 (HISTORICAL CODE NC3150-L1025)

LOT: NaCl-0122-00005

NaCl \wedge F.W. 58.44 g/mol \wedge CAS# 7647-14-5

Manufacture Date: 7/19/22 Retest Date: 7/31/24

Manufacturing Site: 100 Majestic Way, Bangor PA, 18013

Packaging Site: 100 Majestic Way, Bangor PA, 18013 Packaging Date: 7/23/22

ANALYSIS		SPECIFICATION	TEST RESULT
Appearance and Color		Clear Colorless Solution	Clear Colorless Solution
Assay		4.9-5.1M	5.0M
Endotoxin		≤ 2.5 EU/mL	<0.3 EU/mL
Identification	Chloride USP <191>	Meets Requirements	Meets Requirements
	Sodium USP <191>	Meets Requirements	Meets Requirements
Microbial Content	TAMC	≤ 50 CFU/g	<10 CFU/g
	TYMC	≤ 150 CFU/g	<10 CFU/g
Trace Metals	Arsenic (As)	≤ 2 ppm	<0.45 ppm
	Copper (Cu)	≤ 2 ppm	<1.5 ppm
	Iron (Fe)	≤ 2 ppm	<1.5 ppm
	Lead (Pb)	≤ 2 ppm	<0.15 ppm

COUNTRY OF ORIGIN: U.S.A.

TEST METHOD REFERENCE: DCN: 19-003065

MANUFACTURING STATEMENT: Material represented by this Certification of Analysis was manufactured using Sodium Chloride Multi-Compedia Raw Material and USP Water for Injection.

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: Jaron Hughes Date: 8/16/22 Job Title: QA Specialist

Reviewed by: Carise Allett Date: 8/16/22 Job Title: QA Manager

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