

BIOSPECTRA

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

Effective Date:	10-Jun-2019	10-Jun-2022	: Date of Next Review
Prepared By:	Kyle Snyder	19-002798 v.1.1	: Supersedes
QA/QC Approval:	Carissa McCollan	Amy Yencho	: Management Approval
Reason for Revision:	See Revision History in ensur		

SODIUM HYDROXIDE 10N

CERTIFICATE OF ANALYSIS

BIO PHARMA GRADE / NH4150-L004

LOT: NH4150-006-0719

NaOH Δ F.W. 40.00 g/mol. Δ CAS# 1310-73-2

Manufacture Date: 5/29/2019 Expiration Date: 5/31/2021

Manufacturing Site: 100 Majestic Way, Bangor PA, 18013

Packaging Date: 7/3/2019

Packaging Site: 100 Majestic Way, Bangor PA, 18013

ANALYSIS	SPECIFICATION	TEST RESULT
Appearance and Color	Clear / Colorless Liquid	Clear / Colorless Liquid
Chloride	≤ 5 ppm	≤ 5 ppm
Endotoxins	≤ 2.0 EU/mL	≤ 2.0 EU/mL
Heavy Metals (as Pb)	≤ 1 ppm	≤ 1 ppm
Iron	≤ 2 ppm	≤ 2 ppm
Normality	9.9N – 10.1N	10.1 N
Sodium Carbonate	$\leq 0.6\%$	$\leq 0.6\%$

COUNTRY OF ORIGIN: U.S.A.TEST METHOD REFERENCE: DCN: 19-002773

INTENDED USE: Material represented by this Certificate of Analysis is suitable to be used only as the following: IPEC Compliant GMP Manufactured Chemical, for use in further Manufacturing or as a Reagent for Laboratory and Research. 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: Car Date: 7/3/19Reviewed by: H. Bernin Date: 7/3/19