

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 McCollian	Amy Yencho	: Management Approval
Reason for Revision:	See Revision History in ensur		

SODIUM HYDROXIDE 10N CERTIFICATE OF ANALYSIS BIO PHARMA GRADE / NH4150-L001 LOT: NH4150-008-0719

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

Manufacture Date: 5/23/2019 Expiration Date: 5/31/2021
 Manufacturing Site: 100 Majestic Way, Bangor PA, 18013
 Packaging Date: 7/25/2019
 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	10.0 N
Sodium Carbonate	≤ 0.6%	≤ 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: Carissa McCollian Date: 7/26/19

Reviewed by: H. Berman Date: 7/26/19