

BIOSPECTRA

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

Effective Date:	08-Feb-2024	08-Feb-2027	: Date of Next Review
Prepared By:	Taylor Yurick	BSI-COA-0121 v.3.0	: Supersedes
QA/QC Approval:	Jessica DeMaio	Hannah Kuchmas	: Management Approval
Reason for Revision:	See Revision History in MasterControl.		

CERTIFICATE OF ANALYSIS

SODIUM HYDROXIDE 10N

BIO PHARMA GRADE / NEW CODE NAHY-4150-81

(HISTORICAL CODE NH4150-L003.78)

LOT: NAHY-M03-1024-0068

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

Manufacture Date: 09/27/24 Retest Date: 09/30/26
 Manufacturing Site: 100 Majestic Way, Bangor PA, 18013
 Packaging Date: 10/16/24
 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	< 0.7 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	$\leq 0.6\%$	0.1 %

COUNTRY OF ORIGIN: U.S.A.TEST METHOD REFERENCE: DCN: BSI-ATM-0039

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: Shil McCall Date: 10/29/24 Job Title: QA Tech III

Reviewed by: Car Allert Date: 10/29/24 Job Title: Senior Quality Manager