

# BIOSPECTRA

100 Majestic Way, Bangor, PA 18013 / [www.biospectra.us](http://www.biospectra.us)

Effective Date:	1-Mar-2021	1-Mar-2024	: Date of Next Review
Prepared By:	Jaron Hughes	19-002798 v.2.1	: Supersedes
QA/QC Approval:	Carissa McCollian	Wendy Santay	: Management Approval
Reason for Revision:	See Revision History in ensur		

## CERTIFICATE OF ANALYSIS

### SODIUM HYDROXIDE 10N

BIO PHARMA GRADE / NEW CODE NAHY-4150-79

(HISTORICAL CODE NH4150-L942.5)

LOT: NAHY-0123-00046

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

Manufacture Date: 7/26/23      Retest Date: 7/31/25  
 Manufacturing Site: 100 Majestic Way, Bangor PA, 18013

Packaging Date: 7/31/23  
 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 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: Amel McCall      Date: 8/29/23      Job Title: QA Support Tech  
 Reviewed by: Car Allert      Date: 8/29/23      Job Title: Assoc. Director of Quality

**BioSpectra, Inc.**

100 Majestic Way  
Bangor, PA 18013

**PACKING SLIP**

Sales Order: SO-0001664-062623

Delivery Number: **DEL-BSI01-23-00242**



Customer Code: CN000100

Reference: 4500155351

*Ship To:*

AstraZeneca  
633 Research Court  
Frederick, MD 21703-8619  
United States of America

*Bill To:*

AstraZeneca Pharmaceuticals LP  
633 Research Court  
Frederick, MD 21703-8619  
United States of America

<b>Product Information</b>	<b>Quantity</b>	<b>Remains to be delivered</b>
NAHY-4150-79 Sodium Hydroxide 10N Solution, 942.5 L	7.000000 EA	0.000000
PO line#: 4 Product#: 4102099 7.000000 EA Lot#: NAHY-0123-00046		