

# BIOSPECTRA

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

Effective Date:	14-Apr-2020	14-Apr-2023	: Date of Next Review
Prepared By:	Amy Saam	19-002911 v. 1.0	: Supersedes
QA/QC Approval:	Hannah Bernier	Amy Yenko	: Management Approval
Reason for Revision:	See Revision History in ensur.		

## SODIUM HYDROXIDE 2N

### CERTIFICATE OF ANALYSIS

### BIO PHARMA GRADE / NH4123-Sample CoA

### LOT: NH4123-001-0520

NaOH  $\Delta$  F.W. 40.00 g/mol.  $\Delta$  CAS# 1310-73-2  
 Manufacturing Date: 5/11/2020    Expiration Date: 5/31/2022  
 Manufacturing Site: 100 Majestic Way, Bangor PA, 18013  
 Packaging Date: Sample CoA  
 Packaging Site: Sample CoA

ANALYSIS	SPECIFICATION	TEST RESULT
Appearance and Color	Clear/Colorless Liquid	Clear/Colorless Liquid
Chloride (Cl)	$\leq 5$ ppm	$\leq 5$ ppm
Heavy Metals (Pb)	$\leq 1$ ppm	$\leq 1$ ppm
Normality	1.990-2.010 N	2.010 N
Trace Metals (Iron)	$\leq 0.5$ ppm	$\leq 0.5$ ppm

COUNTRY OF ORIGIN: U.S.A.

TEST METHOD REFERENCE: DCN: 19-O02930

INTENDED USE: Material represented by this Certificate of Analysis is suitable for use as a GMP 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: C. Saam Date: 5/12/20 Job Title: QA Supervisor

Reviewed by: A. Yenko Date: 5/12/20 Job Title: Exec. Director of QC