

# BIOSPECTRA

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

Effective Date:	9-Apr-2020	9-Apr-2023	: Date of Next Review
Prepared By:	Amy Saam	Not Applicable	: Supersedes
QA/QC Approval:	Wendy Santay	Amy Yenko	: Management Approval
Reason for Revision:	See Revision History in ensur.		

## CERTIFICATE OF ANALYSIS

### SODIUM HYDROXIDE 0.5N

### BIO PHARMA GRADE / NH4152-Sample CoA

### LOT: NH4152-001-0520

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

Manufacture Date: 5/12/2020      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	$\leq 5$ ppm	$\leq 5$ ppm
Endotoxins	$\leq 2.0$ EU/mL	$\leq 2.0$ EU/mL
Heavy Metals (as Pb)	$\leq 1$ ppm	$\leq 1$ ppm
Iron	$\leq 0.5$ ppm	$\leq 0.5$ ppm
Normality	0.480N – 0.520N	0.492 N

COUNTRY OF ORIGIN: U.S.A.TEST METHOD REFERENCE: DCN: 19-003053

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:  Date: 5/14/20 Job Title: QA SupervisorReviewed by:  Date: 5/14/20 Job Title: Exec. Director of QC