

BIOSPECTRA

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

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|----------------------|--|----------------|-----------------------|
| Effective Date: | 22-Jan-2025 | 22-Jan-2028 | : Date of Next Review |
| Prepared By: | Amy Yenko | Not Applicable | : Supersedes |
| QA/QC Approval: | Krista Rehrig | Carissa Albert | : Management Approval |
| Reason for Revision: | See Revision History in MasterControl. | | |

SODIUM HYDROXIDE 10N

CERTIFICATE OF ANALYSIS

BIOTECH, LOW CHLORIDE, GMP

BIO PHARMA GRADE / NAHY-4126

LOT: NAHY-M03-1224-0084

NaOH Δ 40.00 g/mol. Δ CAS# 1310-73-2

Manufacturing Date: 12/18/24 Expiration Date: 12/31/26

Manufacturing Site: 100 Majestic Way, Bangor PA, 18013

Packaging Site: 100 Majestic Way, Bangor PA, 18013

| ANALYSIS | SPECIFICATION | TEST RESULT | |
|----------------------|--------------------------|--------------------------|---------------|
| Absorbance | 260nm | ≤ 0.080 a.u. | 0.023 a.u. |
| | 280nm | ≤ 0.050 a.u. | 0.016 a.u. |
| Appearance and Color | Clear / Colorless Liquid | Clear / Colorless Liquid | |
| Chloride | ≤ 5 ppm | < 5 ppm | |
| Endotoxin | ≤ 2.0 EU/mL | ≤ 0.5 EU/mL | |
| Enzymes | DNase | None Detected | None Detected |
| | RNase | None Detected | None Detected |
| | Protease | None Detected | None Detected |
| Normality | 9.9 – 10.1 N | 10.1 N | |
| Sodium Carbonate | ≤ 0.6 % | 0.1 % | |
| Trace Metals | Barium (Ba) | ≤ 1 ppm | < 0.90 ppm |
| | Bismuth (Bi) | ≤ 1 ppm | < 0.90 ppm |
| | Calcium (Ca) | ≤ 5 ppm | < 0.90 ppm |
| | Cadmium (Cd) | ≤ 1 ppm | < 0.90 ppm |
| | Cobalt (Co) | ≤ 1 ppm | < 0.90 ppm |
| | Chromium (Cr) | ≤ 1 ppm | < 0.90 ppm |
| | Copper (Cu) | ≤ 1 ppm | < 0.90 ppm |
| | Iron (Fe) | ≤ 2 ppm | < 0.90 ppm |
| | Magnesium (Mg) | ≤ 1 ppm | < 0.90 ppm |
| | Manganese (Mn) | ≤ 1 ppm | < 0.90 ppm |
| | Molybdenum (Mo) | ≤ 1 ppm | < 0.90 ppm |
| | Nickel (Ni) | ≤ 1 ppm | < 0.90 ppm |

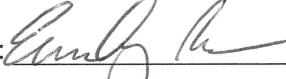
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| ANALYSIS | SPECIFICATION | TEST RESULT |
|-----------------|----------------|--------------|
| Trace Metals | Lead (Pb) | ≤ 1 ppm |
| | Strontium (Sr) | ≤ 1 ppm |
| | Zinc (Zn) | ≤ 1 ppm |

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:  Date: 2/5/25 Job Title: QA Technician I

Reviewed by:  Date: 2/5/25 Job Title: Senior Quality Manager