

Prepared by: CS Approved by: MAF Version # 2 Issued Date: 07/07/10

**HydriON® Buffer Certification Sheet**  
**&**  
**Certificate of Traceability and Conformity**

pH Value 12.00

|             |                   |           |                    |
|-------------|-------------------|-----------|--------------------|
| Mfg. Lot#   | <u>234512</u>     | Mfg. Date | <u>12-13-2012</u>  |
| Date Tested | <u>12-13-2013</u> | Tested By | <u>PARESH SHAH</u> |

**NIST/IUPAC Standards used for Calibration of pH Meters**

|              |              |   |
|--------------|--------------|---|
| Buffer #1 pH | <u>6.865</u> | NIST Standard Reference Materials Used: |
|              |              | <u>POTASSIUM DIHYDROGEN PHOSPHATE</u>   |
|              |              | <u>(NIST Ref MAT'L No. 186-I-d )</u>    |
|              |              | <u>DISODIUM HYDROGEN PHOSPHATE</u>      |
|              |              | <u>(NIST Ref MAT'L No. 186-II-d )</u>   |

|              |             |   |
|--------------|-------------|---|
| Buffer #2 pH | <u>9.18</u> | NIST Standard Reference Materials Used: |
|              |             | <u>SODIUM TETRABORATE DECAHYDRATE</u>   |
|              |             | <u>(NIST Ref MAT'L No.187c )</u>        |
|              |             | <u>(NIST Ref MAT'L No. )</u>            |

**pH Values Recorded:**

pH Meter #1 12.05 pH Meter #2 12.05 pH Meter #3 12.04

Temperature of Buffer Solution Tested: 25° C

| Buffer Powder Used For   | Amount Used                 | Date Used                   | Sample Weight     |
|--------------------------|-----------------------------|-----------------------------|-------------------|
| <u>__X__</u> Chemvelopes | <u>                    </u> | <u>                    </u> | <u>5.01 grams</u> |
| <u>__X__</u> Capsules    | <u>                    </u> | <u>                    </u> | <u>1.01 GRAMS</u> |

Comments:

This certificate is to certify that the above buffer salt here-in described has been analyzed with and/or compared to appropriate National Institute of Standards and Technology and IUPAC reference materials. The buffer salt tested is certified in accordance with MIL-STD-45662.

Certified By Paresh shah Signature  Date: 12-13-2012