MICRO ESSENTIAL LABORATORY

Manufacturing **Hydrion®** brand pH and sanitizer test papers since 1934

**QP-FORM-1650-003**

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

## Hydrion® Buffer Certification Sheet & Certificate of Traceability and Conformity

pH Value **8.00**

| | | | |
|---|---|---|---|
| **Mfg. Lot#** | **234008** | **Mfg. Date** | **12-04-2008** |
| **Date Tested** | **12-04-2008** | **Tested By** | **PARESH SHAH** |

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

| | | |
|---|---|---|
| Buffer #1 pH | **6.865** | NIST Standard Reference Materials Used: **POTASSIUM DIHYDROGEN PHOSPHATE** (NIST Ref MAT'L No. 186-I-d ) **DISODIUM HYDROGEN PHOSPHATE** (NIST Ref MAT'L No. 186-II-d ) |
| Buffer #2 pH | **9.18** | NIST Standard Reference Materials Used: **SODIUM TETRABORATE DECAHYDRATE** (NIST Ref MAT'L No.187c ) (NIST Ref MAT'L No. ) |

**pH Values Recorded**:

pH Meter #1 **8.01** pH Meter #2 **8.00** pH Meter #3 **8.01**

Temperature of Buffer Solution Tested: **25° C**

| Buffer Powder Used For | Amount Used | Date Used | Sample Weight |
|---|---|---|---|
| __X___ Chemvelopes | | | 5.02 grams |
| __X___ Capsules | | | 1.01 grams |

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 Shah PS Date: 12-04-2008