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## Certificate of Analysis

Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2008 standard by SAI Global Certificate Number CERT - 0090918

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Certain products (USP/FCC/NF/EP/BP/JP grades) are sold for use in food, drug, or medical device manufacturing. Fisher does not claim regulatory coverage under 21 CFR nor maintain DMF's with the FDA. The following are the actual analytical results obtained:

|                   |                                                                                                                                                                                                   |                             |           |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------|
| Catalog Number    | SB107                                                                                                                                                                                             | Quality Test / Release Date | 5/23/2017 |
| Lot Number        | 173426                                                                                                                                                                                            | Expiration Date             | May/2019  |
| Description       | BUFFER SOLUTION, CERTIFIED, PH 7.00                                                                                                                                                               |                             |           |
| Country of Origin | United States                                                                                                                                                                                     |                             |           |
| Chemical Origin   | Organic - non animal                                                                                                                                                                              |                             |           |
| BSE/TSE Comment   | No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product. |                             |           |

| Result name          | Units            | Specifications                | Test Value           |
|----------------------|------------------|-------------------------------|----------------------|
| APPEARANCE           |                  | REPORT                        | Clear, yellow liquid |
| IDENTIFICATION       | PASS/FAIL        | = PASS TEST                   | PASS TEST            |
| NIST STD : pH 9.180  | BORAX            | = LOT 187E                    | LOT 187E             |
| NIST STD USED: pH 7a | POT DIHYDRO PHOS | = LOT 186IG                   | LOT 186IG            |
| NIST STD USED: pH 7b | DISOD HYDRO PHOS | = LOT 186IIG                  | LOT 186IIG           |
| OPTICAL ABSORBANCE   | PASS/FAIL        | = PASS TEST                   | PASS TEST            |
| PH AT 25 DEGREES C   |                  | Inclusive Between 6.99 - 7.01 | 7.01                 |
| TRACEABLE TO NIST    | PASS/FAIL        | = PASS TEST                   | PASS TEST            |



*Jerisa Bailey-Wyche*

Quality Assurance Specialist - Certificate of Analysis Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as a extension of this catalog number listed above. If there are any questions with this certificate, please call Chemical Services at (800) 227-6701.

\*Based on suggested storage condition.