



## Certificate of Analysis

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ThermoFisher 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. ThermoFisher 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. ThermoFisher does not maintain DMF's with the FDA. The following are the actual analytical results obtained:

|                   |                                                                                                                                                                                                   |                             |            |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|
| Catalog Number    | SB107                                                                                                                                                                                             | Quality Test / Release Date | 10/03/2018 |
| Lot Number        | 186588                                                                                                                                                                                            | Expiration Date             | Oct/2020   |
| 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. |                             |            |
| Chemical Comment  |                                                                                                                                                                                                   |                             |            |

N/A

| 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 187F                    | LOT 187F             |
| NIST STD USED: pH 7a | POT DIHYDRO PHOS | = LOT 186IG                   | LOT 186IG            |
| PH AT 25 DEGREES C   |                  | Inclusive Between 6.99 - 7.01 | 7.00                 |
| TRACEABLE TO NIST    |                  | = PASS TEST                   | PASS TEST            |
| OPTICAL ABSORBANCE   | PASS/FAIL        | = PASS TEST                   | PASS TEST            |
| NIST STD USED: pH 7b | DISOD HYDRO PHOS | = LOT 186IIG                  | LOT 186IIG           |

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 an extension of this catalog number listed above.  
If there are any questions with this certificate, please call at (800) 227-6701.

\*Based on suggested storage condition.