



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530

Fax: 440/337-1180
web: www.mpbio.com

Certificate of Analysis

Product Description: Hepes Buffer, cell culture grade.
Catalog Number: 1588413; 1588415; 1588416; 1588417_
Lot: MR29243_

Formula: N/A
CAS #: N/A
Physical Description: White Powder

Formula Weight: N/A
Storage: Room Temperature

| Test | Specification | Result |
|---------------------|----------------|---------------------------|
| Identity Test | Passes | Passes |
| Purity | Report Result | 99.8% |
| Moisture Content | ≤2.0% | 0.3% |
| Solubility | Passes | Clear, Colorless Solution |
| OD250 (10% aq soln) | Report Result | 0.05 |
| OD260 (10% aq soln) | Report Result | 0.03 |
| OD280 (10% aq soln) | Report Result | 0.03 |
| Expiration Date | Month/Day/Year | 3/31/2015 |

pH (1% aq soln): 5.2

Christina Marotta

05/21/2012 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

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<mailto:biotech@mpbio.com>
<http://www.mpbio.com>

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