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Certificate of Analysis

Product Description: 100 mM Sodium Pyruvate (11.00mg/ml)
Catalog Number: 1682049
Lot: 1607K

Formula: n/a
CAS #: n/a
Physical Description: Clear, Colorless Solution

Formula Weight: n/a
Storage: +4°C

| Test | Specification | Result |
|--------------------|-----------------------|-----------------|
| Identity Test | Passes | Passes |
| Sterility Test | Passes | Passes |
| pH | For Information Only | 6.2 |
| Osmolality | 430 - 500 mOsm/kg H2O | 459 mOsm/kg H2O |
| Functionality Test | Passes | Passes |
| Expiration Date | Month/Day/Year | 2/28/10 |

Endotoxin: <0.0050 EU/ml@1.100
Mycoplasma: Negative

09/11/2008 - Robert Beattie
MP Biomedicals, LLC.
Technical Director

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<mailto:biotech@mpbio.com>
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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site
Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)