



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Ham's F-12 (Modified) with L-Glutamine, without Sodium Bicarbonate_
Catalog Number: 1042120; 1042122; 1042124_
Lot: 9254J_

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

Formula Weight: N/A
Storage: +4°C

Test	Specification	Result
Moisture Content	<1.5%	0.34%
Osmolality	290 ± 30 mOsm/kg water	269 mOsm/kg water
pH w/o Bicarb	6.3 - 7.2	6.7
Functionality Test	Passes	Passes
Expiration date	Month/Day/Year	6/30/2010

pH (after adjustment with sodium bicarbonate): 7.6

Osmolality (after adjustment with sodium bicarbonate): 292 mOsm/kg water

Endotoxin: <0.0050 EU/ml

Mycoplasma: Negative

Bioburden: <10 cfu/g

05/05/2008 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

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<http://www.mpbio.com>

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)