



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: C1874_

Formula: N/A CAS #: N/A Physical Description: Powder	Formula Weight: N/A Storage: +4°C
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Test	Specification	Result
Moisture Content	#1.5%	<1.5%
Osmolality w/o Bicarb	290 ± 30 mM/kg	276 mM/kg
pH w/o Bicarb	6.3 - 7.2	6.75
Functionality Test	Passes	Passes
Expiration Date	Month/Day/Year	9/30/2016

Solubility (10.64 g/L water in #30 min): Passes
Particle Size: #95% thru 100 mesh
pH with 2500 mg/L NaHCO₃: 7.76
Osmolality with 2500 mg/L NaHCO₃: 316 mM/kg
Endotoxin: <0.25 EU/ml
Mycoplasma: Negative

Christina Marotta

10/16/2012 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

This is an electronically generated document
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)