



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: QR15796_

Formula: N/A
CAS #: N/A
Physical Description: Off-white Powder

Formula Weight: N/A
Storage: 2 - 8°C

Test	Specification	Result
Moisture Content	#1.5%	<1%
Osmolality	290 ± 30 mM/kg	287 mM/kg
pH w/o Bicarb	6.3 - 7.2	6.77
Functionality Test	Passes	Passes
Expiration Date	Month/Day/Year	01/15/2021

Solubility (10.64 g/L water): #30 minutes
Particle Size: >95% thru 100 mesh
pH (with 2500 mg/L NaHCO₃): 7.75
Osmolality (with 2500 mg/L NaHCO₃): 308 mM/kg
Endotoxin: <0.25 EU/ml
Mycoplasma: Negative

07/17/2018 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

This is an electronically generated document
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