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Certificate of Analysis

Product Description: Williams' Medium E with L-Glutamine, without Sodium Bicarbonate
Catalog Number: 1050120; 1050122; 1050124
Lot: SR04983

Formula: N/A
CAS #: N/A
Physical Description: Light Orange Powder

Formula Weight: N/A
Storage: 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
Moisture Content	≤2.0%	<0.75%
Solubility	Passes	Passes (10.81 g/L water in ≤30 minutes)
Osmolality (without sodium bicarbonate)	238 - 268 mM/kg	254 mM/kg
pH (before adjustment)	Report Result	4.26
pH (after adjustment)	7.2 - 7.8	7.38
Functionality Test	Passes	Passes
Expiration Date	Month/Day/Year	12/28/2024

Particle Size: >95% thru 100 mesh
Osmolality (with 2200 mg/L sodium bicarbonate): 299 mM/kg
Endotoxin: <0.3 EU/ml
Mycoplasma: Negative

12/30/2021 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

This is an electronically generated document
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