



CERTIFICATE OF ANALYSIS

Product Name: **Minimum Essential Medium (Modified)**
 With Earle's Salts, L-Glutamine, and Pyridoxine HCl
 Without Sodium Bicarbonate

MADE IN THE USA

Catalog Number: **MEP14**

Storage: 2 to 8°C

Manufacture Date: APR-2019

Lot Number: **04190020**

Expiration Date: 30-APR-2023

Test	Specifications	Results
Appearance	Light-Orange to Tan Powder	PASS
Solubility (in H ₂ O)	9.53 g/L in ≤ 30 minutes	7 minutes
Moisture Content	≤ 2 %	< 0.75 %
Particle Size (100 mesh)	≥ 90 %	≥ 90 %
pH <i>(measured at 22° C)</i>		
Without NaHCO ₃	5.5 - 6.7	5.84
With 2200 mg/L NaHCO ₃	6.8 - 8.0	7.63
Osmolality		
Without NaHCO ₃	240 - 280 mM/Kg	248 mM/Kg
With 2200 mg/L NaHCO ₃	280 - 320 mM/Kg	295 mM/Kg
Endotoxin	≤ 1.0 EU/mL	< 0.1 EU/mL
	<i>Endotoxin testing was performed using the LAL detection method.</i>	
Mycoplasma	Negative	NEGATIVE
	<i>Mycoplasma test was performed using MycoAlert® Mycoplasma Detection Assay.</i>	
Animal Cell Culture		
Cell Growth Promotion	3 Passages	PASS
Viability	≥ 80 %	> 85 %
	<i>Medium was supplemented with 10 % FBS and 2.2 g/L NaHCO₃, adjusted to pH 7.34, then tested with CHO cells grown in a monolayer in a 5 % CO₂ atmosphere.</i>	

This product was produced and tested in accordance with all relevant SOP's and meets or exceeds the quality standards established by Caisson Laboratories, Inc.

This product is intended for laboratory use only.

Prepared by:

Reviewed by:

Kurt Rieben

13-MAY-2019

Quality Control

BSE/TSE Declaration

To the present state of our knowledge we declare that this product does not contain any BSE/TSE AGENT. This declaration is given in good faith and no warranty express or implied with respect to quality and properties is made.