



## CERTIFICATE OF ANALYSIS

Product Name: **Minimum Essential Medium Alpha**  
 With L-Glutamine and Nucleosides  
 Without Sodium Bicarbonate

MADE IN THE USA

Catalog Number: **MEP10**

Storage: 2 to 8°C

Manufacture Date: APR-2015

Lot Number: **04150015**

Expiration Date: 30-APR-2020

Test	Specifications	Results
Appearance	Off-White to Orange Powder	PASS
Solubility (in H <sub>2</sub> O)	10.17 g/L in ≤ 30 minutes	5 minutes
Moisture Content	≤ 2 %	< 1.5 %
Particle Size (100 mesh)	≥ 90 %	> 95 %
pH ( <i>measured at 24°C</i> )		
Without NaHCO <sub>3</sub>	Record	3.72
With 2200 mg/L NaHCO <sub>3</sub>	Record	7.16
Osmolality		
Without NaHCO <sub>3</sub>	Record mM/Kg	254 mM/Kg
With 2200 mg/L NaHCO <sub>3</sub>	Record mM/Kg	307 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 %	> 90 %
	<i>Medium was supplemented with 10 % FBS and 2.2 g/L NaHCO<sub>3</sub>, adjusted to pH 7.22, then tested using VERO cells grown in a monolayer in a 5 % CO<sub>2</sub> 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:

Kurt Rieben      31-JAN-2019  
 Quality Control

Reviewed by:

**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.