

CERTIFICATE OF ANALYSIS

Product: MEM Alpha Modification (1X)
+ L-Glutamine
+ Ribonucleosides and Deoxyribonucleosides

Lot #: AJ30767279

Catalog #: SH30265

Manufacture date: 18-DEC-2023

Expiration date: 31-DEC-2024

| TEST | SPECIFICATION | UNITS | RESULTS |
|--------------------------------------|------------------------|---------|------------------------|
| Appearance | Clear Reddish Solution | - | Clear Reddish Solution |
| Osmolality | 280 - 310 | mOsm/kg | 296 |
| pH | 7.0 -7.4 | - | 7.1 |
| Sterility Testing Bacteria and Fungi | No Growth | - | No Growth |
| Endotoxin | ≤ 1.0 | EU/mL | <0.10 |
| Growth Promotion | Satisfactory | - | Satisfactory |

Cell growth was assessed over a minimum of three subculture generations. Cell cultures are observed for evidence of nutritional deficiency, cytotoxicity, or morphological aberrations. The product is tested in parallel with a control lot.

Cell lines used: CHO-K1 Cells

Allen, Justin

11-JAN-2024 21:35:39

Quality Department

Date and Time

This document has been electronically produced and is valid without a signature.

HyClone Laboratories

925 West 1800 South Logan, Utah 84321 USA T:+1 435 792 8000 F:+1 435 792 8011

HyClone is a trademark of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva
Cytiva and the Drop logo are trademarks of Global Life Sciences IP Holdco LLC or an affiliate

www.cytiva.com

