

**Bacto™ Yeast Extract**

Catalog Number: 212730

Lot Number: 3013743

Manufacturing Date: 2024-Sep-14

Expiration Date: 2029-Sep-30

Bulk Lot Number: 3013743

| TEST   | SPECIFICATION    | RESULT | UNITS |
|--|------------------|--------|-------|
| Appearance (1% Solution)<br>Light-medium amber, clear, may have a very slight precipitate.   | Pass             | Pass   |       |
| Appearance (2% Solution)<br>Medium amber, clear, may have a very slight precipitate.   | Pass             | Pass   |       |
| Ash  | 0.0 - 15.0       | 11.4   | %     |
| Coagulable Protein<br>Not Present.   | Pass             | Pass   |       |
| Cultural Response<br>Response for <i>Neisseria meningitidis</i> (ATCC® 13090) is fair to good. Responses for <i>Staphylococcus aureus</i> (ATCC® 25923) and <i>Streptococcus pneumoniae</i> (ATCC® 6305) are good. | Pass             | Pass   |       |
| Dehydrated Appearance<br>Light to medium beige, to medium tan, free-flowing, homogeneous.  | Pass             | Pass   |       |
| Loss on Drying   | 0.0 - 5.0        | 4.0    | %     |
| Nitrogen   | 9.0 - 12.0       | 11.3   | %     |
| pH at 25°C   | Check and Record | 6.7    |       |
| Sodium Chloride  | 0.0 - 5.0        | 0.0    | %     |
| Solubility (1% solution)<br>Soluble in distilled or deionized water.   | Pass             | Pass   |       |
| Solubility (2% solution)<br>Soluble in distilled or deionized water.   | Pass             | Pass   |       |

The test method for Nitrogen characteristic is: Kjeldahl.

Cultural Response: A solution of 1% Yeast Extract plus 0.5% sodium chloride was prepared and the pH was adjusted to 7.2 +/- 0.2 using diluted NaOH. The medium was dispensed into tubes and sterilized. Tubes were inoculated with the test organisms and incubated at 35°C +/- 2°C for 18-48 hours.

Residual Solvents (CPMP/ICH/283/95): Typical analysis for Yeast Extracts indicates that there is less than 3880 ppm of cyclohexane. No other solvents were detected during analysis.

This product is animal free: all ingredients and ingredient components are not of animal origin. There are no animal sourced ingredients or animal derived reagents used in the manufacture of this product. The Batch Number on this certificate is synonymous with Lot Number shown on the product label. Advanced Bioprocessing is an ISO 9001:2015 registered facility. This product met Advanced Bioprocessing stringent quality standards at time of batch/lot release. Any test results reported on this certificate were obtained at time of release. This material is not for human or animal consumption.

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Following Quality Control release, the COA is created and published for Catalog products at <http://www.thermofisher.com/coasearch>. Advanced Bioprocessing will notify customers of record for any changes to the COA.

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Quality Assurance

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