



Certificate of Analysis

Becton Dickinson and Company
BD Biosciences Miami AF
50 NW 176TH ST
Miami FL 33169-5043 US

Product Name : Pail Yeast Extract Technical 10kg
Catalog Number : 288610 **Manufacture Date**: 2018/10/12
Batch Number : 9070910
Expiration Date : 2023/10/11

- 01. Dehydrated Medium Appearance: Light to medium beige, free-flowing, homogeneous
 - 02. Solubility: 2% solution, soluble in distilled or deionized water
 - 03. Solution Appearance: Medium amber, clear to very slightly opalescent with no significant precipitate
 - 04. Cultural Response: A 2% solution was prepared with 0.5% sodium chloride and the pH was adjusted to 7.2-7.4. Tubes of this medium were inoculated with the test organisms and incubated at 35 ± 2°C for 18-48 hours.
- | | | |
|------------------------|-------|----------|
| TEST ORGANISMS | ATCC® | RECOVERY |
| Escherichia coli | 25922 | good |
| Streptococcus pyogenes | 19615 | good |
- 05. There are no animal sourced ingredients or animal derived reagents used in the manufacture of this product.

Characteristic	Unit	Value	Lower Limit	Upper Limit
Nitrogen :	%	11.3	9.0	12.0
Ash :	%	10.8	0.0	15.0
Sodium Chloride :	%	0.0	0.0	5.0
Loss on Drying	%	3.3	0.0	5.0
Bulk Lot Number :	-	8337997		

The Batch Number on this certificate is synonymous with the Lot Number shown on the product label.

BD Biosciences Advanced Bioprocessing is an ISO 9001:2015 Registered facility. This product met BD Biosciences 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.

BD Biosciences Advanced Bioprocessing Certificates of Analysis (COA) typically contain animal origin information when products are manufactured using materials of animal origin. This information may be contained in the animal source table and/or in one or more of the additional paragraphs found on the COA. Following Quality Control release, the COA is created and published at <http://www.bd.com/regdocs>. For each batch of finished product that contains animal origin raw materials, the COA shows the animal origin data from the individual lots of animal origin raw materials used, as provided by the raw material suppliers.

At times, suppliers notify BD Biosciences Advanced Bioprocessing of new and/or additional information they have received from their raw



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material suppliers that modifies the animal origin information for lots previously provided to BD Biosciences Advanced Bioprocessing. See "COA Animal origin Information Position Statement" located at <http://www.bd.com/regdocs> under "position Statements" for the impact that retrospective information has on BD Biosciences Advanced Bioprocessing COAs and on customers enrolled in the BDDS and BDAB Automated Change Notification Program.

For complete details on animal origin information, refer to "BD Position Statement - BD Diagnostics-Diagnostic Systems, COA Animal Origin Information Position Statement", at <http://www.bd.com/readocs/> under "Position Statements".

DIANA NOGUERA
Senior Quality Manager
Advanced Bioprocessing, part of Thermo Fisher Scientific