



Certificate of Analysis

Bottle Tryptone 500g

Catalog Number: **211705**

Lot Number: **0132766**

Manufacturing Date: **2020/04/23**

Expiration Date: **2025/04/30**

Intended Use: For research use or further manufacturing. Not for diagnostic use or direct administration into humans or animals.

Specifications 01-06 were tested and are acceptable

01. Dehydrated Appearance: Light beige, free-flowing, homogeneous
02. Solubility: 2 and 10% solutions, soluble in distilled or deionized water
03. Solution Appearance 2%: Light to medium amber, clear
04. Solution Appearance 10%: Medium to dark amber, clear to slightly opalescent, may have a slight precipitate
05. Cultural Response: This lot was tested, and the following growth response was obtained:

| | | |
|-----------------------|-------|----------|
| TEST ORGANISMS | ATCC® | RECOVERY |
| Escherichia coli | 25922 | good |
| Staphylococcus aureus | 25923 | good |
06. Residual Solvents (CPMP/ICH/283/95): Typical analysis for Tryptone indicates that there is less than 5000 ppm of 1-butanol. No other solvents were detected during analysis.

| TEST | SPECIFICATION | RESULT | UNITS |
|------------------------------------|---------------|---------|-------|
| pH at 25°C (Unadjusted): | - | 7.2 | - |
| Loss on Drying: | ≤ 5.0 | 4.1 | % |
| Ash: | 4.4 – 8.8 | 6.3 | % |
| Nitrogen (Kjeldahl Method) | ≥ 10.0 | 13.3 | % |
| Amino Nitrogen (Modified Sorensen) | 4.0 – 6.6 | 5.5 | % |
| Bulk Lot Number: | - | 0111534 | - |

| ANIMAL SOURCE | COUNTRY OF ORIGIN | TISSUE CATEGORY | | |
|---------------|-------------------|-----------------|-----|-----|
| | | BIC | SIC | ABC |
| Bovine | New Zealand | IV | IV | MLK |
| Porcine | Canada | III | III | IB |
| Porcine | USA | III | III | IB |

Certificate of Analysis

(Continued)

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

This product was manufactured and tested for Thermo Fisher Scientific - Advanced Bioprocessing in ISO 13485:2016 registered facilities. In addition, these facilities are registered with the United States Food and Drug Administration (FDA), and are regulated by the FDA's Quality System Regulations (QSRs). This product met Thermo Fisher's stringent quality standards at time of lot release. Any test results reported on this certificate were obtained at time of release. This material is not for human or animal consumption.

Advanced Bioprocessing's 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 for catalog products at <http://www.thermofisher.com/coasearch>. For each lot 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 Thermo Fisher of new and/or additional information they have received from their raw material suppliers that modifies the animal origin information for lots previously provided to Thermo Fisher. Advanced Bioprocessing will notify customers of record for any changes to the COA.


Quality System Department