



Certificate of Analysis

Bottle Beef Extract Powder 500g

Catalog Number: **212303**

Lot Number: **1014859**

Manufacturing Date: **2020/07/22**

Expiration Date: **2024/06/11**

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

Specifications 01-04 were tested and are acceptable

01. Dehydrated Medium Powder Appearance: Fine, homogeneous and light to light medium, cream to tan
02. Solubility (2% solution): Soluble in distilled or deionized water
03. 2% Solution Broth Appearance: Light to light medium, yellow to tan; clear to slightly hazy
04. Biological Performance: Media was prepared as Peptone Agar using 5.0 grams of Beef Extract, 1.25 grams of Sodium Chloride, and 3.25 grams Grade A Agar in 250 mL processed water. Final pH was adjusted to 7.2 to 7.4. Plates were inoculated with the test organisms, incubated for 2 days at 33-37°C under appropriate atmospheric conditions and gave cultural responses as indicated:

TEST ORGANISMS	ATCC®	RESULT
Escherichia coli	25922	Growth
Staphylococcus aureus	25923	Growth
Streptococcus pyogenes	49117	Growth

TEST	SPECIFICATION	RESULT	UNITS
pH at 25°C:	6.5 – 7.5	7.0	-
Bulk Lot Number:	-	0189412	-

ANIMAL SOURCE	COUNTRY OF ORIGIN	TISSUE CATEGORY		
		BIC	SIC	ABC
Bovine	USA	III	III	IB
Bovine	USA	III	IV	IC
Bovine	USA	IV	IV	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.

Tara M. Gould 28 Apr 2021

Quality System Department