Becton Dickinson and Company
BD Diagnostic Systems
PO Box 999
Sparks MD 21152-0999 US

Certificate of Analysis

Product Name : BOTTLE MUELLER HINTON AGAR 500G
Catalog Number : 225250 **Manufacture Date :** 2013/04/25
Batch Number : 3134269
Expiration Date : 2017/08/31

Bulk Lot Number : 3071048

01. Dehydrated Medium Appearance: Beige, free-flowing, homogeneous
02. Solubility: 3.8% solution, soluble in distilled or deionized water on boiling
03. Solution Appearance: Light to medium amber, slightly opalescent, may have a slight precipitate
04. Certificate of Suitability issued by the European Directorate for the Quality of Medicines (EDQM): CEP 2000-317
05. Cultural Response: Medium was prepared per label instructions. Plates were inoculated and antibiotic disks were tested as recommended by current CLSI. The diameters of the zones around designated disks with the appropriate test culture fell within the CLSI recommended zone ranges.

TEST ORGANISMS	ATCC®
Enterococcus faecalis	33186
Escherichia coli	25922
Pseudomonas aeruginosa	27853
Staphylococcus aureus	25923

Characteristic	Unit	Value	LowLimit	HighLimit
pH at 25˚C :		7.3	7.2	7.4

Animal Source	Country of Origin	Tissue Category BIC	SIC	ABC
Bovine	New Zealand	IV	IV	MLK
Avian	Taiwan	IV	IV	NDF
Avian	China	IV	IV	NDF
Bovine	USA	III	IV	IC
Bovine	USA	IV	IV	IB
Porcine	USA	III	III	IB
Bovine	Australia	IV	IV	IB
Bovine	USA	III	III	IB
Bovine	USA	IV	IV	NDF
Bovine	Australia	IV	IV	MLK

For an avian origin ingredient used in the manufacture of this product,

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the BD supplier is not able to confirm animal health. The supplier has confirmed that the ingredient undergoes extensive processing that includes exposure to strong acid, filtration, crystallization, and drying.

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

BD Diagnostics - Diagnostic Systems products are manufactured in ISO 9001:2008 Registered facilities. In addition, BD Diagnostics - Diagnostic Systems facilities are registered with the United States Food and Drug Administration (FDA), are regulated by the FDA's Quality System Regulations (QSRs), and are also ISO 13485:2003 Registered. This product met BDDS 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 Diagnostics - Diagnostic Systems' 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 Diagnostics - Diagnostic Systems 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 BD. 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 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 Diagnostic-Diagnostic Systems, COA Animal Origin Information Position Statement", at http://www.bd.com/regdocs under "Position Statements".

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Paula A. Elliott
WW Quality Manager, Media
BD Diagnostics - Diagnostic Systems
Signature Date: 2013/06/11