

Certificate of Quality

Product Name: TSB Dbl Bag BB (100ml Screw) 10/PK
Lot Number: 360741

Product Number: R112912
Expiration Date: 2019-06-20
 (YYYY-MM-DD)

This product has been manufactured, processed and packaged in accordance with Quality Systems Regulation, 21 CFR Part 820. Representative samples were tested per Remel Inc., a part of Thermo Fisher Scientific Quality Control specifications and were found to meet performance criteria for this product.

| Organism Challenge | ATCC | Results |
|---------------------------|-------------|----------------|
| Escherichia coli | 8739 | Pass |
| Staphylococcus aureus | 6538 | Pass |
| Pseudomonas aeruginosa | 9027 | Pass |
| Bacillus subtilis | 6633 | Pass |
| Candida albicans | 10231 | Pass |
| Aspergillus brasiliensis | 16404 | Pass |

A pass result indicates organism produced the expected colony size, number, and morphology, indicative of the challenge organism and level for the media formulation, within the required time period. Inoculation levels of 10-100 CFUs were used and incubation was conducted at 30-35°C for not more than 72 hours for bacteria, and at 20-25°C for not more than 5 days for fungi. The results meet or exceed USP Growth Promotion requirements.

Physical Characteristics:

Appearance: Light to Medium Amber, Clear Broth
 pH @ 20-25°C: 7.3 +/- 0.2

Microbial Load Evaluation:

Manufactured lot has been terminally steam processed and statistically sampled. Samples were acceptable for microbial content and aesthetic value following a minimum of 14 days at 20- 25°C.

Certificate results were obtained at time of release. End users are encouraged to assure product meets internal standards at time of use.

Signed

 Quality Assurance Supervisor