# Certificate of Analysis

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|---|---|
| **Product Code:** | **FBH002 / FBH005** |
| **Product:** | Half Fraser Broth |
| **LOT / Batch:** | **203401** |
| **Date of Manufacture:** | **12/07/2018** |
| **Expiry Date:** | **11/07/2020** |

**Physical Characteristics:**

| | | |
|---|---|---|
| **Dehydrated Medium:** | Free Flowing Fine Homogeneous / Buff | |
| **Reconstituted Medium:** | Straw | |
| **Precipitation:** | None | |
| **pH at 25°C:** | **7.1** | pH specification 7.2 +/- 0.2 |

**Microbiological Performance:**

| Organism Name | Organism Specification | Result Value |
|---|---|---|
| Listeria monocytogenes WDCM00109 | Recovered from 10-100cfu | Recovered from 10-100cfu |
| Listeria monocytogenes WDCM00021 | Recovered from 10-100cfu | Recovered from 10-100cfu |
| Listeria ivanovii NCTC 11846 | Satisfactory growth | Satisfactory growth |
| Listeria innocua NCTC 11288 | Satisfactory growth | Satisfactory growth |
| Listeria seeligeri NCTC 11856 | Satisfactory growth | Satisfactory growth |
| Escherichia coli WDCM00013 | Inhibited | Inhibited |
| Escherichia coli WDCM00012 | Inhibited | Inhibited |
| Enterococcus faecalis WDCM00087 | Satisfactory inhibition | Satisfactory inhibition |
| Enterococcus faecalis WDCM00009 | Satisfactory inhibition | Satisfactory inhibition |

Incorporating SUP004. Product tested in compliance to ISO 11133:2014

Product is prepared for testing according to documented instructions. Cultures used for challenge testing are from approved culture collections and procedures used are industry accepted methodologies.

The information given above is believed to be correct, however, performance is only warranted when the medium is prepared and used as described in the current version of the product specification.

**Gillian Bradley - Quality Manager**

**Date: 02/08/2018**

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