G & M Procter Ltd.
Certificate of Analysis

PRODUCT	**BO0350S** **HALF FRASER BROTH** **10X225ML IN 250ML PET**
LOT NUMBER	1245986
EXPIRY DATE	2013.07.30
PRODUCTION DATE	2013.01.25
TEST DATE	2013.01.28
REPORTING DATE	2013.02.03

Physical Characteristics	Results	Specification	Accredited Method Reference
Appearance	Straw 3 with blue iridescence	Straw 3 or 4 with blue iridescence	Appearance and colour
pH (25°C)	7.3	7.0 - 7.4	pH
Fill Volume/Weight	226.1g	225.0 - 229.0g	Fill volume weight check
Sterility @ 22°C & 32°C ± 2°C for 5 days	No growth	No growth	Ster.at 22,32,37 & 44°C

MICROBIOLOGICAL PERFORMANCE

For target organisms, the test medium must achieve equal to or greater than a 4 log(10)increase from an inoculum of 1-10 cfu/ml.
For target organisms, when inoculated with 10-1000cfu, the test medium must show the positive diagnostic reaction described in the specification.
For inhibited organisms, the test medium must show no growth or the negative diagnostic reaction described in the specification.

All of the results reported within the G & M Procter Certificate of Analysis relate only to the sample tested. The results were derived from a representative sample of the batch and were obtained at the time of release. All test specifications are defined in the G&M Procter manufacturing and test procedures for this product, which are available on request. The uncertainty of measurement introduced during pH, fill weight and microbiological performance testing has been determined. Values are not reported on the Certificate of Analysis but details can be provided on request.

UKAS TESTING 2727

Ian Snowball
Product Performance Manager
G & M Procter Ltd.

Performance tested by the Quality Control Laboratory, G & M Procter Ltd, 4 Auld Bond Road, Perth, PH1 3FX, a UKAS accredited testing laboratory NO. 2727

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Target organism	Initial cfu/ml	Final cfu/ml	Log(10) increase	Accredited Method reference
Listeria monocytogenes ATCC®13932	5	100000	5	Fertility of specified target organism(s) (liquid)
Listeria monocytogenes ATCC®7644	2	100000	5	Fertility of specified target organism(s) (liquid)

Target Organism	Control(cfu)	Test	Specification	Accredited Method Reference
Listeria monocytogenes ATCC®13932	1000	Aesculin hydrolysis . (blackening)	Aesculin hydrolysis . (blackening)	Fertility of Specified Target Organism(s) (Liquid Media)
Listeria monocytogenes ATCC®7644	1000	Aesculin hydrolysis . (blackening)	Aesculin hydrolysis . (blackening)	Fertility of Specified Target Organism(s) (Liquid Media)
Inhibited Organism	**Control(cfu)**	**Test**	**Specification**	**Accredited Method Reference**
Enterococcus faecalis ATCC®29212	63	No aesculin hydrolysis (no blackening)	No aesculin hydrolysis (no blackening)	Inhibition
Bacillus cereus ATCC®10876	100	No aesculin hydrolysis (no blackening)	No aesculin hydrolysis (no blackening)	Inhibition
Escherichia coli ATCC®25922	100000	No aesculin hydrolysis (no blackening)	No aesculin hydrolysis (no blackening)	Inhibition

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CERTIFICATE OF ANALYSIS

Delivery/Customer information

Date Printed
2013.11.08
Delivery No.

Customer

Customer Order number

The information given is believed to be correct. However both the information and the product are offered without warranty for any specific application other than that specified. The results reported were derived from a representative sample of the batch and were obtained at the time of release.

Ian Snowball
Product Performance Manager, G&M Procter Ltd