



G & M Procter Ltd. Certificate of Analysis

PRODUCT **BO1066S**
ONE BROTH LISTERIA
10X225 ML IN PLASTIC 250ML BOTT

LOT NUMBER 1240596
EXPIRY DATE 2013.06.08
PRODUCTION DATE 2012.12.07
TEST DATE 2013.06.05
REPORTING DATE 2012.12.12

Physical Characteristics	Results	Specification	Accredited Method Reference
pH (25°C)	7.4	7.2 - 7.6	pH
Fill Volume/Weight	226.0g	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 inhibited organisms, the test medium must show no growth or the negative diagnostic reaction described in the specification.

Target organism	Initial cfu/ml	Final cfu/ml	Log(10) increase	Accredited Method reference
Listeria monocytogenes ATCC13932	4	100000	5	Fertility of specified target organism(s) (liquid)
Listeria monocytogenes ATCC7644	6	100000	5	Fertility of specified target organism(s) (liquid)

Inhibited Organism	Control(cfu)	Test	Specification	Accredited Method Reference
Enterococcus faecalis ATCC®29212	10000	No growth to + turbid growth	No growth to + turbid growth	Inhibition

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.



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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Staphylococcus aureus ATCC®25923	10000	No growth to + turbid growth	No growth to + turbid growth	Inhibition
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Inhibited Organism	Control(cfu)	Test	Specification	Accredited Method Reference
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Bacillus cereus ATCC®10876	10000	No growth to + turbid growth	No growth to + turbid growth	Inhibition
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Escherichia coli ATCC®25922	10000	No growth	No growth	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.

A handwritten signature in black ink that reads "Ian Snowball".

Ian Snowball
Product Performance Manager, G&M Procter Ltd

Our management system is certified by BSI as being in conformity with ISO 9001:2008, certificate number FM 27644 and ISO 13485:2003, certificate number MD 85850.

G & M Procter Ltd, Thermo Fisher Scientific, Microbiology,
4 Auld Bond Road, Perth, PH1 3FX