

# Certificate of Analysis

## Client

E&O Laboratories Ltd  
Burnhouse  
Bonnybridge  
Scotland  
FK4 2HH



E&O Laboratories Ltd

**Sample:** BM0082 - Buffered Peptone Water(ISO)  
**Batch Number:** 04087532  
**Expiry Date:** 2021-09-28  
**Date Received:** 2020-09-29  
**Date Tested:** 2020-09-29  
**Sample Condition:** Satisfactory  
**Sample Number:** 387512

Burnhouse, Bonnybridge  
Scotland, FK4 2HH  
Telephone: 01324 840404  
Fax:01324 841314  
Email: info@eolabs.com

### Accredited Test Method: See table below

| Productivity                         | Result | Colonial Appearance | Colonial Appearance Specification |
|--------------------------------------|--------|---------------------|-----------------------------------|
| Salmonella typhimurium<br>NCTC 12023 | Growth | Yellow colonies     | Yellow colonies                   |
| Staphylococcus aureus<br>NCTC 12981  | Growth | Pink colonies       | Pink colonies                     |
| Escherichia coli<br>NCTC 12241       | Growth | Red colonies        | Red colonies                      |

For solid media the RGI is a calculation of the % growth on the test media compared with the growth on a control media. The test medium must achieve an RGI between 70-120% for non-selective media /  $\geq 50\%$  for selective media. For liquid media growth is determined from a subculture of the test broth inoculated with 10 - 100 cfu of the target organism.

The log difference between inocula pre and post a 45 minute retention in the diluent should be  $\leq 0.3$ .

### Accredited Test Method: See table below

| Productivity                         | Result   | Specification |
|--------------------------------------|----------|---------------|
| Escherichia coli<br>NCTC 12241       | Conforms | $\leq 0.3$    |
| Listeria monocytogenes<br>NCTC 11994 | Conforms | $\leq 0.3$    |
| Staphylococcus aureus<br>NCTC 12981  | Conforms | $\leq 0.3$    |

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| Physical                                                                                                                                                                            | Result   | Specifications           | Accredited Test Method                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------|---------------------------------------------------------------------------------------------------|
| Sterility                                                                                                                                                                           | Conforms | Within acceptable limits | ED/SOP/005 Visual check and growth assessment following incubation for 3 days at 15-25°C and 37°C |
| Sterility sampling is performed in accordance with ISO 2859-1:1999*. The inspection level is $\geq 0.4\%$ of the batch and the reject level $\leq 7$ units depending on batch size. |          |                          |                                                                                                   |
| pH                                                                                                                                                                                  | 7.1      | 7.0 +/- 0.2              | ED/SOP/003 measurement by pH meter                                                                |
| Colour                                                                                                                                                                              | Conforms | 1-2 - 6-8 Pale Straw     | ED/SOP/009 by visual observation. Range measured using Pantone® 4 colour process guide            |
| Fill Quantity                                                                                                                                                                       | Conforms | 5000ml +/- 0.3           | ED/SOP/054 by gravimetric determination                                                           |

### Accredited Test Method for Solid Media

ED/SOP/008 Quantitative evaluation using spread inoculum technique

### Accredited Test Method for Liquid Media

ED/SOP/008 Semi quantitative inoculation with growth assessment from subculture

### Accredited Test Method for Diluents

ED/SOP/008 Semi quantitative evaluation of viability maintenance after a holding time of 45 minutes

All of the results on this certificate of analysis relate only to the samples submitted.

Test specifications are based on ISO 11133:2014/Amd/:2020 and internal product specifications

\*Sterility sampling is outwith scope of accreditation.



Douglas Cameron  
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