

# Certificate of Analysis

## Client

E&O Laboratories Ltd  
Burnhouse  
Bonnybridge  
Scotland  
FK4 2HH



E&O Laboratories Ltd

**Sample:** PP7021 - Colorex Listeria (ISO)  
**Batch Number:** 04162491  
**Expiry Date:** 2022-11-09  
**Date Received:** 2022-09-14  
**Date Tested:** 2022-09-14  
**Date of Issue:** 2022-09-19  
**Sample Condition:** Satisfactory  
**Sample Number:** 432586

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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.

Accredited Test Method: ED/SOP/008 Quantitative evaluation using spread inoculum technique (solid media)

| Productivity                         | RGI (%) | Colonial Appearance            | Colonial Appearance Specification |
|--------------------------------------|---------|--------------------------------|-----------------------------------|
| Listeria innocua<br>NCTC 11288       | 84      | Blue colonies with NO halo     | Blue colonies with NO halo        |
| Listeria monocytogenes<br>NCTC 11994 | 112     | Blue colonies with opaque halo | Blue colonies with opaque halo    |

Accredited Test Method: ED/SOP/051 - log reduction of inoculum using drop inoculum for selective agar and fluid media. Inhibition indicates selectivity factor  $\geq 2$ .

| Selectivity                           | Test Result | Specification |
|---------------------------------------|-------------|---------------|
| Enterococcus faecalis<br>NCTC 12697   | Inhibited   | Inhibited     |
| Saccharomyces cerevisiae<br>NCPF 3178 | Inhibited   | Inhibited     |
| Escherichia coli<br>NCTC 12241        | Inhibited   | Inhibited     |

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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                                                                                                                                                                                  | 7.0      | 7.2 +/- 0.2              | ED/SOP/003 measurement by pH meter                                                                |
| Colour                                                                                                                                                                              | Conforms | 6-6 - 7-6 Pale Cream     | ED/SOP/009 by visual observation. Range measured using Pantone® 4 colour process guide            |
| Fill Quantity                                                                                                                                                                       | Conforms | ml                       | ED/SOP/054 by gravimetric determination                                                           |
| Moisture                                                                                                                                                                            | Conforms | 95% +/- 3%               | ED/SOP/053 with drying and gravimetric determination                                              |

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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.



1894

**Douglas Cameron**  
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