

Certificate of Analysis

Client

E&O Laboratories Ltd
Burnhouse
Bonnybridge
Scotland
FK4 2HH



E&O Laboratories Ltd

Sample: PP7021 - Colorex Listeria (ISO)
Batch Number: 04162490
Expiry Date: 2022-11-09
Date Received: 2022-09-15
Date Tested: 2022-09-15
Date of Issue: 2022-09-19
Sample Condition: Satisfactory
Sample Number: 432671

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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 NCTC 11288	88	Blue colonies with NO halo	Blue colonies with NO halo
Listeria monocytogenes NCTC 11994	117	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 ≥ 2 .

Selectivity	Test Result	Specification
Enterococcus faecalis NCTC 12697	Inhibited	Inhibited
Saccharomyces cerevisiae NCPF 3178	Inhibited	Inhibited
Escherichia coli 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 ≤ 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.



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Douglas Cameron
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