

Certificate of Analysis

Client

E&O Laboratories Ltd
Burnhouse
Bonnybridge
Scotland
FK4 2HH



E&O Laboratories Ltd

Sample: PP0320 - X.L.D. Agar
Batch Number: 04162332
Expiry Date: 2022-11-21
Date Received: 2022-09-13
Date Tested: 2022-09-13
Date of Issue: 2022-09-16
Sample Condition: Satisfactory
Sample Number: 432473

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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 |
|--------------------------------------|---------|--|--|
| Shigella sonnei NCTC 8574 | 67 | Red colonies | Red colonies |
| Salmonella typhimurium NCTC 12023 | 65 | Translucent colonies with black centre | Translucent colonies with black centre |

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 |
|-------------------------------------|-------------|---------------|
| Escherichia coli NCTC 12241 | Inhibited | Inhibited |
| Enterococcus faecalis NCTC 12697 | 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 | 7.3 | 7.4 +/- 0.2 | ED/SOP/003 measurement by pH meter |
| Colour | Conforms | 60-1 - 78-1 Red | ED/SOP/009 by visual observation. Range measured using Pantone® 4 colour process guide |
| Fill Quantity | Conforms | 18-22ml | 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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