

# Certificate of Analysis

## Client

E&O Laboratories Ltd  
Burnhouse  
Bonnybridge  
Scotland  
FK4 2HH



E&O Laboratories Ltd

**Sample:** PP1350 - T.S.A. with Lecithin & Tween  
**Batch Number:** 04159496  
**Expiry Date:** 2022-05-05  
**Date Received:** 2022-02-11  
**Date Tested:** 2022-02-11  
**Date of Issue:** 2022-02-14  
**Sample Condition:** Satisfactory  
**Sample Number:** 418472

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Scotland, FK4 2HH  
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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 |
|-------------------------------------|---------|----------------------|-----------------------------------|
| Escherichia coli<br>NCTC 12241      | 79      | Opaque/grey colonies | Opaque/grey colonies              |
| Staphylococcus aureus<br>NCTC 12981 | 85      | White colonies       | White colonies                    |

| 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  | 7.4      | 7.3 +/- 0.2              | ED/SOP/003 measurement by pH meter  |
| Colour  | Conforms | 2-8 - 6-8 Straw          | ED/SOP/009 by visual observation. Range measured using Pantone® 4 colour process guide            |
| Fill Quantity   | Conforms | 13-15ml                  | ED/SOP/054 by gravimetric determination   |

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|          |          |            |  |
|----------|----------|------------|--|
| Moisture | Conforms | 95% +/- 3% | ED/SOP/053 with drying and gravimetric determination |
|----------|----------|------------|--|

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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