

# Certificate of Analysis

## Client

E&O Laboratories Ltd  
Burnhouse  
Bonnybridge  
Scotland  
FK4 2HH



E&O Laboratories Ltd

**Sample:** PP8020 - TSA - IRR (VHP)  
**Batch Number:** 04153635  
**Expiry Date:** 2021-07-19  
**Date Received:** 2020-11-16  
**Date Tested:** 2020-11-16  
**Sample Condition:** Satisfactory  
**Sample Number:** 390689

Burnhouse, Bonnybridge  
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 ATCC 8739	107	Cream colonies	Cream colonies
Aspergillus brasiliensis ATCC 16404	76	White colonies. Reverse side is pale yellow	White colonies. Reverse side is pale yellow
Candida albicans ATCC 10231	75	White colonies	White colonies
Pseudomonas aeruginosa ATCC 9027	111	Cream colonies	Cream colonies
Bacillus subtilis ATCC 6633	101	Opaque/Grey colonies	Opaque/Grey colonies
Staphylococcus aureus ATCC 6538	119	White colonies	White colonies

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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	7.3 +/- 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	25ml	ED/SOP/054 by gravimetric determination
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.



Douglas Cameron  
Technical Manager, E&O Laboratories Ltd