

Tel: +27 12 685 0800
Email: microlab@aspirata.co.za

Amended Certificate Of Analysis

Report NO: M20-11694-A	Sample Description:
Customer: Acumen Laboratory Chemicals (Pty) Ltd	Testing Type: Shelf-life
Address: 5 Bell Crescent Edison Bell Park HennosparkX7, Centurion Pretoria	No. of Samples: 36
Farm / Site:	Sample Condition: Acceptable
Contact:	Sampling Date:
Phone: 0823759734	Email Address: bertus@acugrp.com
Order No/Ref:	Date Received: 18-Sep-2020
	Date Issued: 18-Sep-2020

Product Results

Lab No	Sample Id	Test Procedure	Measurement	Result	Standard	Completed
M20-11694/01.01	Day 14 - E.coli - Bioprotect	Total Plate Count	Cfu/area	ND		2020-09-18
M20-11694/01.02	Day 14 - E.coli - Control	Total Plate Count	Cfu/area	340000		2020-09-18
M20-11694/01.03	Day 14 - P.aeruginosa - Bioprotect	Total Plate Count	Cfu/area	ND		2020-09-18
M20-11694/01.04	Day 14 - P.aeruginosa - Control	Total Plate Count	Cfu/area	280000		2020-09-18
M20-11694/01.05	Day 14 - S.aureus - Bioprotect	Total Plate Count	Cfu/area	ND		2020-09-18
M20-11694/01.06	Day 14 - S.aureus - Control	Total Plate Count	Cfu/area	670000		2020-09-18
M20-11694/01.07	Day 14 - E.hirae - Bioprotect	Total Plate Count	Cfu/area	ND		2020-09-18
M20-11694/01.08	Day 14 - E.hirae - Control	Total Plate Count	Cfu/area	570000		2020-09-18
M20-11694/01.09	Day 30 - E.coli - Bioprotect	Total Plate Count	Cfu/area	ND		2020-10-08
M20-11694/01.10	Day 30 - E.coli - Control	Total Plate Count	Cfu/area	420000		2020-10-08
M20-11694/01.11	Day 30 - P.aeruginosa - Bioprotect	Total Plate Count	Cfu/area	ND		2020-10-08
M20-11694/01.12	Day 30 - P.aeruginosa - Control	Total Plate Count	Cfu/area	230000		2020-10-08
M20-11694/01.13	Day 30 - S.aureus - Bioprotect	Total Plate Count	Cfu/area	ND		2020-10-08
M20-11694/01.14	Day 30 - S.aureus - Control	Total Plate Count	Cfu/area	670000		2020-10-08
M20-11694/01.15	Day 30 - E.hirae - Bioprotect	Total Plate Count	Cfu/area	ND		2020-10-08

NOTES:
CFU: Colony Forming Units
ND: Not Detected
ND defined as <10Cfu/g/ml
ND defined as <100 cfu/ml/g for these tests [B.cereus;P.aeruginosa;Campylobacter spp; S.aureus;Listeria spp and mono enumeration]

Tests that are not accredited

Notes: This report relates only to the samples tested as received. NOSA Testing does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to NOSA Testing or any of its units or employees in advertisements, for sale or publicity purposes without obtaining NOSA Testing's prior written approval.
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Date Printed
10-Dec-2020
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This certificate supersedes all previous documents bearing the reference (M20-11694)

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Address: 5 Bell Crescent Edison Bell Park HennosparkX7, Centurion Pretoria	No. of Samples: 36
Farm / Site:	Sample Condition: Acceptable
Contact:	Sampling Date:
Phone: 0823759734	Email Address: bertus@acugrp.com
Order No/Ref:	Date Received: 28-Sep-2020
	Date Issued: 08-Oct-2020

Product Results

Lab No	Sample Id	Test Procedure	Measurement	Result	Standard	Completed
M20-11694/01.16	Day 30 - E.hirae - Control	Total Plate Count	Cfu/area	510000		2020-10-08
M20-11694/01.17	Day 70 - E.coli - Bioprotect	Total Plate Count	Cfu/area	ND		2020-11-16
M20-11694/01.18	Day 70 - E.coli - Control	Total Plate Count	Cfu/area	340000		2020-11-16
M20-11694/01.19	Day 70 - P.aeruginosa - Bioprotect	Total Plate Count	Cfu/area	ND		2020-11-16
M20-11694/01.20	Day 70 - P.aeruginosa - Control	Total Plate Count	Cfu/area	620000		2020-11-16
M20-11694/01.21	Day 70 - S.aureus - Bioprotect	Total Plate Count	Cfu/area	ND		2020-11-16
M20-11694/01.22	Day 70 - S.aureus - Control	Total Plate Count	Cfu/area	570000		2020-11-16
M20-11694/01.23	Day 70 - E.hirae - Bioprotect	Total Plate Count	Cfu/area	ND		2020-11-16
M20-11694/01.24	Day 70 - E.hirae - Control	Total Plate Count	Cfu/area	520000		2020-11-16
M20-11694/01.25	Day 90 - E.coli - Bioprotect	Total Plate Count	Cfu/area	ND		2020-12-04
M20-11694/01.26	Day 90 - E.coli - Control	Total Plate Count	Cfu/area	460000		2020-12-04
M20-11694/01.27	Day 90 - P.aeruginosa - Bioprotect	Total Plate Count	Cfu/area	ND		2020-12-04
M20-11694/01.28	Day 90 - P.aeruginosa - Control	Total Plate Count	Cfu/area	340000		2020-12-04
M20-11694/01.29	Day 90 - S.aureus - Bioprotect	Total Plate Count	Cfu/area	ND		2020-12-04
M20-11694/01.30	Day 90 - S.aureus - Control	Total Plate Count	Cfu/area	690000		2020-12-04

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Farm / Site:	Sample Condition: Acceptable
Contact:	Sampling Date:
Phone: 0823759734	Email Address: bertus@acugrp.com
Order No/Ref:	Date Received: 28-Sep-2020
	Date Issued: 04-Dec-2020

Product Results

Lab No	Sample Id	Test Procedure	Measurement	Result	Standard	Completed
M20-11694/01.31	Day 90 - E.hirae - Bioprotect	Total Plate Count	Cfu/area	ND		2020-12-04
M20-11694/01.32	Day 90 - E.hirae - Control	Total Plate Count	Cfu/area	830000		2020-12-04
M20-11694/01.33	Sample prep day 14	Trial Fee *		Trial Fee		2020-12-04
M20-11694/01.34	Sample prep day 30	Trial Fee *		Trial Fee		2020-12-04
M20-11694/01.35	Sample prep day 70	Trial Fee *		Trial Fee		2020-12-04
M20-11694/01.36	Sample prep day 90	Trial Fee *		Trial Fee		2020-12-04

Comments *

Test carriers (empty petri dishes) were sprayed with Bioprotect on 26 August and allowed to air dry.

Testing is to be performed on Day 14 (09/09/2020), Day 30 (25/09/2020), Day 70 (06/11/2020), and Day 90 (26/11/2020).

On the day of the test, each treated carrier is inoculated in duplicate with an untreated control carrier with a bacterial suspension with an estimated 10^6 cfu/ml to get a final expected count of 10^5 cfu/carrier.

Once inoculated, the carriers are allowed to stand for 5 minutes at ambient temperature, before the complete surface is swabbed with a swab in neutralizing broth, after which swabs are analysed according to ISO4833 for total plate count.

Test are conducted against Escherichia coli, Staphylococcus aureus, Pseudomonas aeruginosa and Enterococcus hirae.

Result summary:

14 days after initial treatment : >5 Log reduction in viable bacteria in 5 Minutes

30 days after initial treatment : > 5 Log reduction in viable bacteria in 5 Minutes

70 days after initial treatment : > 5 Log reduction in viable bacteria in 5 Minutes

90 days after initial treatment: > 5 Log reduction in viable bacteria in 5 Minutes

NOTES:

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Subcontracted tests

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