

Our Ref: M10000791 an

22nd June 2010

Environmental Services Pty Ltd
 16 Halsey Road
AIRPORT WEST VIC 3042

ATTENTION: MR R WATSON

Dear Sir,

RE: ANTIBACTERIAL EVALUATION OF AUSSAN-L44

A sample marked 'Aussan-L44 Batch Date 15th July 2009' was evaluated in accordance with the principles outlined in BS EN 1276:1997 under the following test conditions.

Product Concentration:	5 mL/L v/v
Contact Time:	1 min, 5 mins, 10 mins
Organic Challenge:	0.3% Bovine Albumin
Temperature:	Ambient 20°C
Test Organism:	<i>Listeria monocytogenes</i> NCTC 11994

Results

Organism	Initial Count per mL	Final Count per mL			Log Reduction		
		1 min	5 mins	10 mins	1 min	5 mins	10 mins
<i>Listeria monocytogenes</i>	1.2 x 10 ⁸	9.2 x 10 ⁴	3.0 x 10 ⁴	4.4 x 10 ³	3.1	3.6	4.4

Note: Counts are Geometric Means of Duplicate results.

Conclusions

The product achieved the above log reductions of the test organism under the prescribed conditions of use.

Yours faithfully,



DAVID LIM B.Sc, MASM, MAIFST
 MICROBIOLOGIST

TGA Licence No. 77007

The data pertains solely to the analytical and sampling procedure(s) used and the condition and homogeneity of the sample(s) as received. The data therefore may not be representative of the lot or batch or other samples. Consequently the data may not necessarily justify the acceptance or rejection of a lot or batch, a product recall or support legal proceedings. It is the responsibility of the client to provide all information relevant to the analysis requested. This report does not imply that Silliker Australia Pty Ltd has been engaged to consult upon the consequences of the analysis and for any action that should be taken as a result of the analysis.

Our Ref: M10000791A an

22nd June 2010

Environmental Services Pty Ltd
16 Halsey Road
AIRPORT WEST VIC 3042

ATTENTION: MR R WATSON

Dear Sir,

RE: MIC EVALUATION OF AUSSAN-L44

One sample marked 'Aussan-L44 Batch Date 15th July 2009' was subjected to a Minimum Inhibitory Concentration test.

Method Summary

Serial dilutions of the product were prepared. These were each inoculated with approximately 10^5 - 10^6 of the test culture and incubated. Control broths without product, were also included as culture controls.

Following the incubation period the broths were examined for growth. The serial dilution which achieves inhibition of the organism is deemed to be the Minimum Inhibitory Concentration.

The tests were conducted under the following conditions:

Broth:	TSB
Incubation Temperature:	37°C
Incubation Time:	48 hrs
Test Organism:	<i>Listeria monocytogenes</i> NCTC 11994

The results are presented overleaf.

Our Ref: M10000791A an

Results

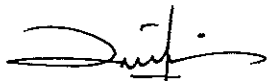
Test Organism: *Listeria monocytogenes* NCTC 11994

Test	Concentration (%)										Culture Count in Tube
	1.0	0.5	0.25	0.125	0.06	0.03	0.015	0.007	0.0037	0.0019	5.0 x 10 ⁵ CFU/mL
1	-	-	-	-	+	+	+	+	+	+	+
2	-	-	-	-	+	+	+	+	+	+	+

Notes: '-' indicates no growth. '+' indicates growth.

The product 'Aussan-L44 Batch Date 15th July 2009' was found to have an MIC of 0.125% product concentration against the organism *Listeria monocytogenes* NCTC 11994.

Yours faithfully,



DAVID LIM B.Sc, MASM, MAIFST
MICROBIOLOGIST

The data pertains solely to the analytical and sampling procedure(s) used and the condition and homogeneity of the sample(s) as received. The data therefore may not be representative of the lot or batch or other samples. Consequently the data may not necessarily justify the acceptance or rejection of a lot or batch, a product recall or support legal proceedings. It is the responsibility of the client to provide all information relevant to the analysis requested. This report does not imply that Silliker Australia Pty Ltd has been engaged to consult upon the consequences of the analysis and for any action that should be taken as a result of the analysis.

TGA Licence No. 77007