

Our Ref: 452017505ZZ an
 Replacement to Report 452017505Z

19th November 2013

Atmosphere Australia Pty Ltd
 25 Grevillea Grove
 BAULKHAM HILLS NSW 2053

ATTENTION: SHANE ORMSBY

Dear Sir,

RE: ANTIFUNGAL/ANTIBACTERIAL EVALUATION OF ATMOSPHERE AP

A sample marked 'Atmosphere AP' was evaluated in accordance with the principles outlined in BS EN 1650:1998/BS EN 1276:1997 under the following test conditions.

Product Concentration:	Neat (as supplied)
Contact Times:	30 secs, 1 min, 2 mins, 3 min, 4 mins, 5 mins, 30 mins, 60 mins
Organic Challenge:	0.03% bovine albumen (clean conditions)
Temperature:	20°C (ambient)
Test Organisms:	<i>Escherichia coli</i> 0157:H7 CS1962236 <i>Staphylococcus aureus</i> ATCC 6538 <i>Salmonella choleraesuis</i> ATCC 15442 <i>Listeria monocytogenes</i> NCTC 11994 <i>Aspergillus brasiliensis</i> ATCC 16505

Results

Recovery Count

Organism	Initial Count per mL	Final Count per mL							
		30 secs	1 min	2 mins	3 mins	4 mins	5 mins	30 mins	60 mins
<i>Escherichia coli</i>	2.8×10^7	3.1×10^3	3.0×10^3	<10	<10	<10	<10	<10	<10
<i>Staphylococcus aureus</i>	3.5×10^7	<10	<10	<10	<10	<10	<10	<10	<10
<i>Salmonella choleraesuis</i>	5.0×10^7	<10	<10	<10	<10	<10	<10	<10	<10
<i>Listeria monocytogenes</i>	1.7×10^7	<10	<10	<10	<10	<10	<10	<10	<10
<i>Aspergillus brasiliensis</i>	1.0×10^6	1.2×10^4	2.0×10^3	2.2×10^2	2.0×10^1	1.0×10^1	<10	<10	<10

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Organism	Log Reduction							
	30 secs	1 min	2 mins	3 mins	4 mins	5 mins	30 mins	60 mins
<i>Escherichia coli</i>	4.0	4.0	>6.0	>6.0	>6.0	>6.0	>6.0	>6.0
<i>Staphylococcus aureus</i>	>6.0	>6.0	>6.0	>6.0	>6.0	>6.0	>6.0	>6.0
<i>Salmonella choleraesuis</i>	>6.0	>6.0	>6.0	>6.0	>6.0	>6.0	>6.0	>6.0
<i>Listeria monocytogenes</i>	>6.0	>6.0	>6.0	>6.0	>6.0	>6.0	>6.0	>6.0
<i>Aspergillus brasiliensis</i>	1.9	2.7	3.7	4.7	5.0	>5.0	>5.0	>5.0

- Notes: 1. '<' indicates less than.
 2. '>' indicates greater than.
 3. Counts are Geometric Means of Duplicate results.

Conclusions

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

Yours faithfully,



DAVID LIM B.Sc,MASM,MAIFST
 MICROBIOLOGIST

TGA Licence No. MI-09022005-LI-000428-1

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.