

19th May 2020

BELLE'BOTANIQUE PTY LTD
18 Valley Road
HIGHBURY SA 5089

ATTENTION: MANOJ JAIN

Dear Manoj,

RE: ANTIBACTERIAL EVALUATION OF BELLE'GARD HAND SANITIZER SERUM

A sample principles outlined in BS EN 13727:2012 (Modified) under the following test conditions.

Product Concentration:	Neat (80%)
Contact Time:	40 seconds
Organic Challenge:	0.3% Bovine albumen+0.3% Sheep erythrocytes (Dirty Conditions)
Temperature:	Ambient (22°C)
Test Organisms:	<i>Staphylococcus aureus</i> ATCC 6538 <i>Pseudomonas aeruginosa</i> ATCC 15442 <i>Escherichia coli</i> ATCC10538 <i>Enterococcus hirae</i> ATCC 10541

Results

Organism	Initial Count per mL	Final Count per mL	Log Reduction
		40 seconds	40 seconds
<i>Staphylococcus aureus</i>	3.4×10^7	<140	>5.4
<i>Pseudomonas aeruginosa</i>	3.1×10^7	<140	>5.4
<i>Escherichia coli</i>	5.3×10^7	<140	>5.6
<i>Enterococcus hirae</i>	3.2×10^7	<140	>5.4

Notes: 1. '<' indicates less than. 2. '>' indicates greater than.

3. Counts are Geometric Means of Duplicate results.

4. Sample tested as supplied. Product dilution due to inherent limitations in test method BSEN 13727.

Conclusions

The product achieved the above log reductions against the test organisms when tested under the prescribed conditions of use.

Yours faithfully,



CHRISTOPHER ANDREWS
SCIENTIFIC SERVICES MANAGER

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 Siliker 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. This method has been modified such that testing was conducted only at the client specified active concentration.