

Certificate of Analysis
Dated: 15/06/2015

CLIENT: Moo Goo Skin Care 56 Dover Road Burleigh Heads, QLD 4220	REF NO: 1513511
ATTN: Craig Jones	ORDER NO: not given
SAMPLE DESCRIPTION: 1 x Leave on sanitiser	DATE RECEIVED: 10/06/15
	DATE COMMENCED: 12/06/15

EXAMINATION: Anti-microbial Activity Challenge Test (Time-Kill Study)

METHOD: EN 13727

CONDITIONS:

Test organisms: 1. *Staphylococcus aureus* ATCC 6538
2. *Pseudomonas aeruginosa* ATCC 15442
3. *Enterococcus hirae* ATCC 10541

Test Concentration: Neat

Contact Time: 30 seconds

Neutraliser: *S. aureus* T6 10 mL (T6: TSB + Tween 80 + Lecithin)
P. aeruginosa and *E. hirae* (PDE Broth 1:10)

Test Temperature: Ambient

Test Condition: Dirty Condition (0.3% BSA)

RESULTS:

Table 1: Surviving organisms after exposure to Leave on sanitiser


Challenge Organism	Inoculum Count	Log 10	Surviving organisms (CFU/mL) and Log ₁₀ Reduction	
			CFU/mL (log ₁₀)	Log Reduction
<i>Staphylococcus aureus</i>	5.0 x 10 ⁷	7.69	> 10 Log (1.0)	> 6.69
<i>Pseudomonas aeruginosa</i>	7.2 x 10 ⁷	7.85	< 10 Log (1.0)	> 6.85
<i>Enterococcus hirae</i>	8.5 x 10 ⁷	7.92	< 10 Log (1.0)	> 6.92

CFU = Colony Forming Unit

COMMENTS:

The sample "**Leave on sanitiser**" has shown significant antibacterial activity against *S. aureus*, and *P. aeruginosa*, and *E. hirae* by achieving a greater than 6.0 log reductions (99.9999% kill); when tested under conditions described above.

Signed:

Imtiaz Ahmed 
Sterile Products Testing Manager