

Microbiological Report: Log Reduction

Conducted by Bioscreen Testing Service, Inc. 3892 Del Amo Boulevard, Ste, G-5, Torrance, CA

Report Date: 08/04/99 Project # 88057
 Date received: 07/22/99 Reference# 667-025
 Date test completed: 08/02/99

What the test means:

The Microbiological Test for Log Reduction tests for a product's ability to kill such pathogenic organisms as E. coli, Pseudomonas Aeruginosa and Staphylococcus Aureus in drinking water.

Sample Description:

ACC#: 88057 **Sample:** Cellfood® **Test Performed:** Log reduction **BTS Method:** M213.R1 **Lot:** ROM623 exp 3/2001

Escherichia coli ATCC 8739			ACC no. 88057			
Exposure Time	Concentration of Organism (CFU/mL)		% Reduction		Log Reduction	
	Control	Product	Control	Product	Control	Product
Initial	2.3 x 10 ⁵	2.3 x 10 ⁵	---	---	---	---
01 min	2.2 x 10 ⁵	1.9 x 10 ⁵	4.3%	17.4%	0.0	0.1
05 min	2.2 x 10 ⁵	1.5 x 10 ⁵	4.3%	34.8%	0.0	0.2

Pseudomonas aeruginosa ATCC 9027			ACC no. 88057			
Exposure Time	Concentration of Organism (CFU/mL)		% Reduction		Log Reduction	
	Control	Product	Control	Product	Control	Product
Initial	1.7 x 10 ⁵	1.7 x 10 ⁵	---	---	---	---
01 min	1.7 x 10 ⁵	9.0 x 10 ⁴	0.0%	47.1%	0.0	0.3
05 min	1.4 x 10 ⁵	5.0 x 10 ⁴	17.6%	70.6%	0.0	0.5
15 min	1.4 x 10 ⁵	2.8 x 10 ⁴	17.6%	83.5%	0.1	0.8

Staphylococcus aureus ATCC 6538			ACC no. 88057			
Exposure Time	Concentration of Organism (CFU/mL)		% Reduction		Log Reduction	
	Control	Product	Control	Product	Control	Product
Initial	1.1 x 10 ⁵	1.1 x 10 ⁵	---	---	---	---
01 min	6.6 x 10 ⁴	6.4 x 10 ⁴	40.0%	41.8%	0.2	0.2
05 min	9.8 x 10 ⁴	4.3 x 10 ⁴	10.9%	60.9%	0.2	0.4
15 min	9.4 x 10 ⁴	9.3 x 10 ³	14.5%	91.5%	0.1	1.1

Signed: Eugene Aquisap, B.S. Microbiologist