

Abbott Analytical



Consulting Scientists to the Disinfectant Industry

Certificate of Analysis

Sample(s): One sample of GreenGold

Received from: Busy Cleaning Ltd, Charter Court, Phoenix Way,

Swansea, SA7 9FS

Date received: 23 November 2009 Date tested: 17 December 2009

Certificate no: 09L.148Cd-KR.ENZ Certificate date: 22 December 2009

Sample ref: 9L/148 **Page:** 1 of 2

Analysis required: BS/EN 13704 quantitative suspension test for the evaluation

of sporicidal activity of chemical disinfectants

Product stored at:
Room temperature

Active substance: Not declared

Test conditions: 'Clean'

Interfering substance: 0.3g/l bovine albumin

Product test concentration: 10.0% v/v

Product diluent used during test: Sterile hard water 300mg/l CaCO₃

Contact time: 60 minutes

Test temperature: 20°C \pm 0.5°C

Neutralising solution: 30g/l polysorbate 80, 3g/l lecithin,

1g/l histidine, 1g/l cysteine

Incubation temperature: 30°C ± 1°C

Identification of bacterial strain(s) Clostridium difficile NCTC 11209

used:



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Test results:

Test Organism		Clostridium			
		difficile			
	10 -1	Vc1	352	Vc2	408
Validation					
Suspension		Nv0	3.80	x10	3
	10 0	Vc1	316	Vc2	324
Experimenta	1				
Control		A	3.20	x10	2
	10 °	7701	344	Vc2	260
Neutraliser		\ vc1	344	VCZ	308
Neutralisei Control		B	3.56	x10	2
CONCLOT			3.30	AIU	
	10 °	Vc1	296	Vc2	338
Method					
Validation		С	3.17	x10	2
	10 -6	Vc1	244	Vc2	316
	10 -7	Vc1	38	Vc2	44
Test					
Suspension		N	3.45	x10	8
	10 -2	Vc	896		
Results	_ ~				
		Na	8.96	x10	4
		R	3.85	x10	
Log ₁₀ Reduction			3.59		
31 0 - 200			3.03		

 $\label{eq:Vc} \begin{array}{l} \text{Vc = Viable count} \\ \text{Nv = cfu/ml in the validation suspension} \\ \text{N = cfu/ml in the test suspension} \\ \text{Na = cfu/ml in the test mixture} \\ \text{R = Reduction in viability} \end{array}$

Requirements & Conclusion:

To pass EN 13704 a log_{10} reduction of at least 3 is required.

This batch of GreenGold, when diluted to 10.0% v/v, passes the requirements of EN 13704 for sporicidal activity in 60 minutes at 20°C under 'clean' conditions against the reference organism detailed.

D C Watson