



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: 8 March 2010 **Date tested:** 22 June 2010

Certificate no: 10C.035Mr-KR.CLE **Certificate date:** 25 June 2010

Sample ref: 10C/035 **Page:** 1 of 2

Analysis required: EN 13727, Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants for instruments used in the medical area - Test method and requirements (phase 2, step 1)

Product stored at: Room temperature

Active substance: Not declared

Test conditions: 'Clean'

Interfering substance: 3.0g/l bovine albumin

Product test concentration: Neat as received
(80% in test suspension)

Product diluent used during test: N/A

Contact time: 5 minutes

Test temperature: 20°C ± 0.5°C

Neutralising solution: 30g/l polysorbate 80, 3g/l lecithin,
1g/l histidine, 1g/l cysteine

Incubation temperature: 37°C ± 1°C

Identification of bacterial strain(s) used: Methicillin-resistant NCTC 12493
Staphylococcus aureus

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Test results:

Test Organism	MRSA		
Validation Suspension	10 ⁻¹	Vc1 522	Vc2 470
		Nv0 4.96	x10 ³
Experimental Control	10 ⁰	Vc1 464	Vc2 438
		A 4.51	x10 ²
Neutraliser Control	10 ⁰	Vc1 426	Vc2 378
		B 4.02	x10 ²
Method Validation	10 ⁰	Vc1 362	Vc2 316
		C 3.39	x10 ²
Test Suspension	10 ⁻⁶	Vc1 364	Vc2 270
	10 ⁻⁷	Vc1 28	Vc2 42
		N 3.34	x10 ⁸
Results	10 ⁻²	Vc1 3	Vc2 5
		Na 4.00	x10 ²
		R 8.34	x10 ⁵
Log₁₀ Reduction	5.92		

Vc = Viable count
 Nv = cfu/ml in the validation suspension
 N = cfu/ml in the test suspension
 Na = cfu/ml in the test mixture
 R = Reduction in viability

Requirements & Conclusion:

To pass EN 13727 a log₁₀ reduction of at least 5 is required within 5 minutes.

This batch of GreenGold, when used neat, passes the requirements of EN 13727 for bactericidal activity in 5 minutes at 20°C under 'clean' conditions against the reference organism detailed.

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