



Abbott Analytical

Consulting Scientists to the Disinfectant Industry



Certificate of Analysis

Sample(s): One sample of Hand Sanitiser

Received from: Safe Solutions (DBG) Ltd. Wharton Green, Bostock Road,
Winsford, Cheshire, CW7 3BD

Date received: 14 May 2010 **Date tested:** 14 May 2010

Certificate no: 10E.028MR.SSL **Certificate date:** 17 May 2010

Sample ref: 10E/028 **Page:** 1 of 2

Analysis required: BS/EN 13727 quantitative suspension test for the evaluation
of bactericidal activity of chemical disinfectants used in
the medical area

Product stored at: Room temperature

Active substance: Not declared

Test conditions: 'Dirty'

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

Interfering substance: 3g/l bovine albumin +
3ml/l sheep erythrocytes

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 used: Methicillin-resistant NCTC 12493
Staphylococcus aureus

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Page 2 of 2

Test results:

Test Organism	MRSA	
Validation Suspension	10 ⁻¹ Vc1 272	Vc2 314
	Nv0 2.93	x10 ³
Experimental Control	10 ⁰ Vc1 244	Vc2 206
	A 2.25	x10 ²
Neutraliser Control	10 ⁰ Vc1 216	Vc2 258
	B 2.37	x10 ²
Method Validation	10 ⁰ Vc1 244	Vc2 300
	C 2.72	x10 ²
Test Suspension	10 ⁻⁶ Vc1 344	Vc2 216
	10 ⁻⁷ Vc1 18	Vc2 15
	N 2.23	x10 ⁸
Results	10 ⁻² Vc1 0	Vc2 0
	Na < 1.00	x10 ²
	R > 2.23	x10 ⁶
Log Reduction	> 6.35	

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

Conclusion:

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

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