



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 *Staphylococcus aureus* NCTC 12493

D C Watson

D C Watson BSc, CBiol, MIBiol, MIFST, ACIEHO
PO Box 95, New Ferry, Wirral, CH62 6HA
Tel: 07767 871275 Fax: 0151 630 6540
email: abbottanalytical@hotmail.co.uk



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

17 May 2010

Certificate No: 10E.028MR.SSL

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.

D C Watson

D C Watson BSc, CBiol, MIBiol, MIFST, ACIEHO
 PO Box 95, New Ferry, Wirral, CH62 6HA
 Tel: 07767 871275 Fax: 0151 630 6540
 email: abbottanalytical@hotmail.co.uk