



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

Certificate of Analysis

Sample(s) : One sample of Sterizar

Received from: Point Consumables Europe Ltd. 2 Royal Lodge Road, Belfast,
BT8 7UL

Date received: 29 January 2010 **Date tested:** 12 February 2010

Certificate no: 10A.053MR.CSS **Certificate date:** 15 February 2010

Sample ref: 10A/053 **Page:** 1 of 3

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:

Product test concentrations: Neat as received
(80% in test suspension) and
20% v/v

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

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

D C Watson



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

3 February 2011

Certificate No: 10A.053MR.CSS

Page 2 of 3

Test results: (Neat)

Test Organism	MRSA	
Validation Suspension	10 ⁻¹	Vc1 236 Vc2 288
		Nv0 2.62 x10 ³
Experimental Control	10 ⁰	Vc1 204 Vc2 176
		A 1.90 x10 ²
Neutraliser Control	10 ⁰	Vc1 196 Vc2 232
		B 2.14 x10 ²
Method Validation	10 ⁰	Vc1 154 Vc2 182
		C 1.68 x10 ²
Test Suspension	10 ⁻⁶	Vc1 204 Vc2 176
	10 ⁻⁷	Vc1 14 Vc2 23
		N 1.88 x10 ⁸
Results	10 ⁻²	Vc1 0 Vc2 0
		Na <1.00 x10 ²
		R >1.88 x10 ⁶
Log Reduction	> 6.27	

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 Sterizar, when used neat, passes the requirements of EN 13727 for bactericidal activity in 5 minutes at 20°C 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



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

3 February 2011

Certificate No: 10A.053MR.CSS

Page 3 of 3

Test results: (20% v/v)

Test Organism	MRSA	
Validation Suspension	10 ⁻¹	Vc1 236 Vc2 288
		Nv0 2.62 x10 ³
Experimental Control	10 ⁰	Vc1 204 Vc2 176
		A 1.90 x10 ²
Neutraliser Control	10 ⁰	Vc1 196 Vc2 232
		B 2.14 x10 ²
Method Validation	10 ⁰	Vc1 154 Vc2 182
		C 1.68 x10 ²
Test Suspension	10 ⁻⁶	Vc1 204 Vc2 176
	10 ⁻⁷	Vc1 14 Vc2 23
		N 1.88 x10 ⁸
Results	10 ⁻²	Vc1 0 Vc2 0
		Na <1.00 x10 ²
		R >1.88 x10 ⁶
Log Reduction	> 6.27	

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 Sterizar, when diluted to 20% v/v, passes the requirements of EN 13727 for bactericidal activity in 5 minutes at 20°C 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