



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: 8 February 2010 **Date tested:** 15 February 2010

Certificate no: 10B.068SL.CSS **Certificate date:** 17 February 2010

Sample ref: 10B/068 **Page:** 1 of 3

Analysis required: BS/EN 1276 quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants

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 mins

Test temperature: 20°C ± 0.5°C

Interfering substance: 3g/l bovine albumin

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

Incubation temperature: 37°C ± 1°C

Identification of bacterial strains used: *Salmonella typhimurium* ATCC 14028
Listeria monocytogenes NCTC 11994

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Test results: (Neat)

Test Organism	<i>Salmonella typhimurium</i>		<i>Listeria monocytogenes</i>	
Validation Suspension	10 ⁻¹	Vc1 644 Vc2 712	Vc1 588 Vc2 543	
		Nv0 6.78 x10 ³	Nv0 5.66 x10 ³	
Experimental Control	10 ⁰	Vc1 596 Vc2 630	Vc1 386 Vc2 424	
		A 6.13 x10 ²	A 4.05 x10 ²	
Neutraliser Control	10 ⁰	Vc1 574 Vc2 622	Vc1 418 Vc2 400	
		B 5.98 x10 ²	B 4.09 x10 ²	
Method Validation	10 ⁰	Vc1 588 Vc2 568	Vc1 420 Vc2 376	
		C 5.78 x10 ²	C 3.98 x10 ²	
Test Suspension	10 ⁻⁶	Vc1 400 Vc2 576	Vc1 392 Vc2 514	
	10 ⁻⁷	Vc1 88 Vc2 64	Vc1 54 Vc2 63	
		N 6.24 x10 ⁸	N 5.19 x10 ⁸	
Results	10 ⁻²	Vc1 0 Vc2 0	Vc1 0 Vc2 0	
		Na <1.00 x10 ²	Na <1.00 x10 ²	
		R >6.24 x10 ⁶	R >5.19 x10 ⁶	
Log Reduction		> 6.80	> 6.72	

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 1276 for bactericidal activity in 5 minutes at 20°C against the reference organisms detailed.

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Test results: (20% v/v)

Test Organism	<i>Salmonella typhimurium</i>		<i>Listeria monocytogenes</i>	
Validation Suspension	10 ⁻¹	Vc1 644 Vc2 712	Vc1 588 Vc2 543	
		Nv0 6.78 x10 ³	Nv0 5.66 x10 ³	
Experimental Control	10 ⁰	Vc1 596 Vc2 630	Vc1 386 Vc2 424	
		A 6.13 x10 ²	A 4.05 x10 ²	
Neutraliser Control	10 ⁰	Vc1 574 Vc2 622	Vc1 418 Vc2 400	
		B 5.98 x10 ²	B 4.09 x10 ²	
Method Validation	10 ⁰	Vc1 588 Vc2 568	Vc1 420 Vc2 376	
		C 5.78 x10 ²	C 3.98 x10 ²	
Test Suspension	10 ⁻⁶	Vc1 400 Vc2 576	Vc1 392 Vc2 514	
	10 ⁻⁷	Vc1 88 Vc2 64	Vc1 54 Vc2 63	
		N 6.24 x10 ⁸	N 5.19 x10 ⁸	
Results	10 ⁻²	Vc1 0 Vc2 0	Vc1 0 Vc2 0	
		Na <1.00 x10 ²	Na <1.00 x10 ²	
		R >6.24 x10 ⁶	R >5.19 x10 ⁶	
Log Reduction		> 6.80	> 6.72	

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 1276 for bactericidal activity in 5 minutes at 20°C against the reference organisms detailed.

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