



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: 19 January 2010 **Date tested:** 8 February 2010

Certificate no: 10A.053B.CSS **Certificate date:** 9 February 2010

Sample ref: 10A/053 **Page:** 1 of 2

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 concentration: Neat as received

Product diluent used during test: N/A

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:	<i>Pseudomonas aeruginosa</i>	ATCC 15442
	<i>Escherichia coli</i>	NCTC 10418
	<i>Staphylococcus aureus</i>	NCTC 10788
	<i>Enterococcus hirae</i>	NCIMB 8191

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Test results:

Test Organism	<i>Pseudomonas aeruginosa</i>		<i>Escherichia coli</i>		<i>Staphylococcus aureus</i>		<i>Enterococcus hirae</i>		
Validation Suspension	10 ⁻¹	Vc1 524	Vc2 616	Vc1 428	Vc2 514	Vc1 420	Vc2 374	Vc1 512	Vc2 396
		Nv0 5.70	x10 ³	Nv0 4.71	x10 ³	Nv0 3.97	x10 ³	Nv0 4.54	x10 ³
Experimental Control	10 ⁰	Vc1 386	Vc2 444	Vc1 376	Vc2 500	Vc1 368	Vc2 292	Vc1 388	Vc2 460
		A 4.15	x10 ²	A 4.38	x10 ²	A 3.30	x10 ²	A 4.24	x10 ²
Neutraliser Control	10 ⁰	Vc1 510	Vc2 396	Vc1 414	Vc2 358	Vc1 414	Vc2 358	Vc1 425	Vc2 394
		B 4.53	x10 ²	B 3.86	x10 ²	B 3.86	x10 ²	B 4.10	x10 ²
Method Validation	10 ⁰	Vc1 424	Vc2 452	Vc1 446	Vc2 370	Vc1 410	Vc2 366	Vc1 444	Vc2 470
		C 4.38	x10 ²	C 4.08	x10 ²	C 3.88	x10 ²	C 4.57	x10 ²
Test Suspension	10 ⁻⁶	Vc1 429	Vc2 576	Vc1 358	Vc2 426	Vc1 292	Vc2 356	Vc1 384	Vc2 452
	10 ⁻⁷	Vc1 72	Vc2 63	Vc1 47	Vc2 58	Vc1 43	Vc2 38	Vc1 52	Vc2 64
		N 5.89	x10 ⁸	N 4.59	x10 ⁸	N 3.65	x10 ⁸	N 4.99	x10 ⁸
Results	10 ⁻²	Vc1 0	Vc2 0	Vc1 0	Vc2 0	Vc1 0	Vc2 0	Vc1 0	Vc2 0
		Na <1.00	x10 ²	Na <1.00	x10 ²	Na <1.00	x10 ²	Na <1.00	x10 ²
		R >5.89	x10 ⁶	R >4.59	x10 ⁶	R >3.65	x10 ⁶	R >4.99	x10 ⁶
Log Reduction	> 6.77		> 6.66		> 6.56		> 6.70		

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:

According to EN 1276 this batch of Sterizar, when used neat, possesses satisfactory bactericidal activity in 5 minutes at 20°C against the reference gram-negative organisms detailed.

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