



Abbott Analytical

Consulting Scientists to the Disinfectant Industry



Certificate of Analysis

Sample(s): One sample of Sterizar

Received from: Creative Supply Solutions Ltd. Malvern Mill, South Wing,
Earl Mill, Dowry Street, Oldham, OL8 2PF

Date received: 22 June 2011 Date tested: 27 June 2011

Certificate no: 11F.078SEcMr.CSS Certificate date: 29 June 2011

Sample ref: 11F/078 Page: 1 of 2

Analysis required: EN 13697, Chemical disinfectants and antiseptics -
Quantitative non-porous surface test for the evaluation of
bactericidal and/or fungicidal activity of chemical
disinfectants used in food, industrial, domestic and
institutional areas - Test method and requirements without
mechanical action (phase 2, step 2)

Product stored at: Room temperature

Active substance: Not declared

Test conditions: Dirty

Interfering substance: 3.0g/l bovine albumin

Product test concentration: Neat as received

Product diluent used during test: N/A

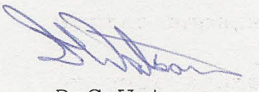
Contact time: 30 seconds

Test temperature: 20°C ± 0.5°C

Neutralising solution: 30g/l polysorbate 80, 3g/l lecithin,
1g/l histidine, 1g/l cysteine;
in phosphate buffer

Incubation temperature: 37°C ± 1°C

Identification of bacterial strain(s) used: *Escherichia coli* NCTC 10418
Methicillin-resistant Staphylococcus aureus NCTC 12493


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Test results:

Test Organism		<i>Escherichia coli</i>		<i>MRSA</i>	
Test Suspension	10 ⁻⁶	Vc1 298	Vc2 314	Vc1 288	Vc2 310
	10 ⁻⁷	Vc1 36	Vc2 32	Vc1 33	Vc2 18
	(N)	N = 7.18		N = 7.17	
Toxicity Control (NC)	10 ⁻⁴	Vc1 266	Vc2 244	Vc1 230	Vc2 206
		NC = 7.41		NC = 7.34	
		N - NC ≤ 2		N - NC ≤ 2	
Dilution Control (NT)	10 ⁻⁴	Vc1 286	Vc2 238	Vc1 214	Vc2 248
		NT = 7.42		NT = 7.36	
		NC - NT ≤ ±0.3		NC - NT ≤ ±0.3	
Water Control	10 ⁻⁴	Vc1 252	Vc2 238	Vc1 242	Vc2 218
	10 ⁻⁵	Vc1 22	Vc2 28	Vc1 26	Vc2 31
	(Nc)	Nc = 7.39		Nc = 7.36	
Results	10 ⁰	Vc1 15	Vc2 17	Vc1 43	Vc2 36
	10 ⁻¹	Vc1 3	Vc2 0	Vc1 5	Vc2 6
	(Nd)	Nd = 2.20		Nd = 2.60	
(ME)		ME = 5.19		ME = 4.77	
Pass: ME ≥ 4		PASS		PASS	

N = lg of cfu/0.05ml of test suspension

Nd = lg of cfu/ml per test surface

Nc = lg of cfu/ml per control surface

ME = microbial effect (ME = Nc - Nd)

Requirements & Conclusion:

This batch of Sterizar, when used neat, passes the requirements of EN 13697 for bactericidal activity in 30 seconds at 20°C under dirty conditions against both of the reference organisms detailed.

D C Watson

D C Watson BSc, CBiol, MIBiol, MIFST, ACIEHO
PO Box 95, New Ferry, Wirral, CH62 6HA
Tel: 0151 637 3331 Mob: 07767 871275
email: abbottanalytical@hotmail.co.uk