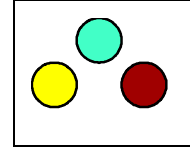


# Abbott Analytical



Consulting Scientists to the Disinfectant Industry

11th September 2007

## CERTIFICATE OF ANALYSIS.

**Samples:** One sample of Steri 7 concentrate received from Sentinel International, Unit 1, Batsworth Road, Mitcham, Surrey, CR4 3BX. 6th September 2007

**Certificate No:** 07J.010.SEN

**Page:** 1 of 1

**Sample Ref:** 7j / 010

**Analysis Required:** BS EN 13697 Quantitative non porous surface test to determine bactericidal activity of chemical disinfectants.

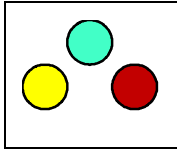
**Samples Tested:** 7th September 2007

Product stored at room temperature in the dark.  
Active substance: Not declared

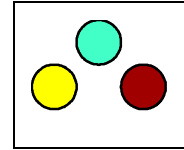
Experimental conditions:

Product test concentrations	- 2.0% v/v
Product diluent used during test	- Sterile hard water 300mg/kg CaCO <sub>3</sub>
Contact time	- 1 min & 30 sec.
Test Temperature	- 20°C ± 0.5°C
Neutralising solution	- 3% Tween 80, 3% Saponin, 0.1% Histidine, 0.1% Cysteine
Temperature of incubation	- 37°C ± 1°C
Identification of bacterial strains used	- Pseudomonas aeruginosa ATCC 15442 Escherichia coli NCTC 10418 Methycillin Resistant Staphylococcus NCTC 12493 Salmonella typhimurium ATCC 14028
Aureus	

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## Test Results

Validation test	Pseudomonas aeruginosa	Escherichia coli	MRSA	Salmonella typhimurium
Bacterial suspension	Vc 534, 570 Nv $5.52 \times 10^3$	Vc 354, 418 Nv $3.86 \times 10^3$	Vc 477, 522 Nv $4.99 \times 10^3$	Vc 274, 392 Nv $3.33 \times 10^3$
Experimental conditions	Vc 555, 523 A $5.34 \times 10^2$	Vc 372, 348 A $3.60 \times 10^2$	Vc 466, 508 A $4.87 \times 10^2$	Vc 214, 240 A $2.27 \times 10^2$
Neutraliser control	Vc 568, 530 B $5.49 \times 10^2$	Vc 394, 346 B $3.70 \times 10^2$	Vc 488, 554 B $5.21 \times 10^2$	Vc 222, 376 B $2.99 \times 10^2$
Surface Inoculum	$10^{-6}$ 784 840 $10^{-7}$ 92 72 N $8.16 \times 10^8$	$10^{-6}$ 444 298 $10^{-7}$ 27 42 N $3.58 \times 10^8$	$10^{-6}$ 592 636 $10^{-7}$ 69 54 N $6.14 \times 10^8$	$10^{-6}$ 294 326 $10^{-7}$ 38 26 N $3.15 \times 10^8$
Test results				
1 min	Vc 0	0	0	0
Na	<100	<100	<100	<100
R	$8.16 \times 10^6$	$>3.58 \times 10^6$	$>6.14 \times 10^6$	$>3.15 \times 10^6$
30 sec	Vc 0	0	0	0
Na	<100	<100	<100	<100
R	$8.16 \times 10^6$	$>3.58 \times 10^6$	$>6.14 \times 10^6$	$>3.15 \times 10^6$

Vc = Viable Count.

N = Number of cfu/ml of the bacterial test suspension.

Nv = Number of cfu in bacterial suspension.

R = Reduction in viability.

Na = Number of cfu/ml in the test mixture

Conclusion: According to EN13697 this batch of Steri 7 concentrate when diluted 1 : 50 in sterile hard water possesses satisfactory bactericidal activity in 30seconds at 20°C for the reference strains detailed.

D C Watson