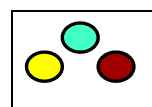


Abbott Analytical



Consulting Scientists to the Disinfectant Industry

20th May 2012

Certificate of Analysis

Samples: Sterilising Fluid
Gompels Healthcare

Certificate No: 99G.205BS

Page: 1 of 2

Sample Ref: 9g / 176

Analysis Required: BS EN 1276.

Samples Tested: 10th May 2012

Product stored at room temperature in the dark.

Diluent used was sterile tap water.

Active substance: Sodium Hypochlorite 0.35%

Experimental conditions:

Product diluent used during test - Sterile hard water 300mg/kg CaCO₃

Product test concentrations - As supplied

Contact time - 1min \pm 10s.

Test Temperature - 20°C \pm 1°C

Interfering substance - 3.0g/l Bovine albumin

Neutralising solution - 3% Tween 80, 3% Saponin,
0.1% Histidine, 0.1% Cysteine

Temperature of incubation - 37°C \pm 1°C

Identification of bacterial strains used- *Pseudomonas aeruginosa* ATCC15442

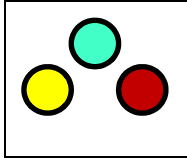
Escherichia coli NCTC 10418

Staphylococcus aureus NCTC 6571

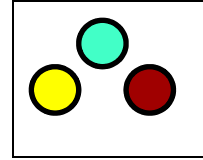
Enterococcus hirae ATCC 8043

Salmonella typhimurium NCTC 12023

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Test Results

Validation test	Pseudomonas aeruginosa	Escherichia coli	Staphylococcus aureus	Enterococcus hirae	Salmonella typhimurium
Bacterial suspension	Vc 156, 129 Nv 1.42×10^3	Vc 128, 146 Nv 1.37×10^3	Vc 166, 194 Nv 1.80×10^3	Vc 144, 162 Nv 1.53×10^3	Vc 139, 117 Nv 1.28×10^3
Experimental conditions	Vc 131, 122 A 1.26×10^2	Vc 139, 151 A 1.45×10^2	Vc 154, 162 A 1.58×10^2	Vc 177, 121 A 1.49×10^2	Vc 141, 123 A 1.32×10^2
Neutraliser control	Vc 158, 174 B 1.66×10^2	Vc 185, 155 B 1.70×10^2	Vc 122, 131 B 1.26×10^2	Vc 166, 192 B 1.79×10^2	Vc 186, 158 B 1.72×10^2
Dilution Neutralisation control	Vc 112, 126 C 1.19×10^2	Vc 138, 158 C 1.48×10^2	Vc 155, 137 C 1.46×10^2	Vc 138, 156 C 1.47×10^2	Vc 118, 138 C 1.28×10^2
Bacterial Test Suspension	10^{-7} 31, 36 ⁻⁸ 10 3, 3 N 3.18×10^8	10^{-7} 23, 27 10^{-8} 4, 3 N 3.0×10^8	10^{-7} 21, 17 ⁻⁸ 10 2, 1 N 1.70×10^8	10^{-6} 18, 25 ⁻⁷ 10 3, 2 N 2.32×10^8	10^{-7} 19, 27 ⁻⁸ 10 2, 3 N 2.4×10^8
Test Results at concentration					
1 : 9. Vc Na R	26 2600 1.22×10^5	6 600 5.0×10^5	10 1000 1.70×10^5	13 1300 1.78×10^5	5 500 4.8×10^5

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

Nv = Number of cfu in validation bacterial suspension Vc = Viable Count.

Na = Number of cfu/ml in the test mixture R = Reduction in viability

Conclusion: According to BS EN1276 the Sterilising Fluid in sterile hard water possesses bactericidal activity in 1 minutes at 20°C under dirty conditions (3.0g/l bovine albumin) for the referenced strains detailed.

D C Watson

D C Watson BSc, C Biol, MIBiol, MIFST
PO Box 5, Wirral, CH2 6PA. Tel: 01487 871885 email:
dcwatson@btinternet.com