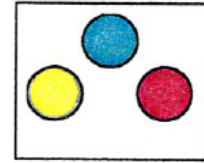


Abbott Analytical



Consulting Scientists to the Disinfectant Industry

2nd July 2009

Certificate of Analysis

Samples: One sample of Alcohol Gel received from Technical Textile Services Ltd, Units 7 & 8 Rhodes Business Park, Silburn Way, Middleton, Manchester. M24 4NE 26th June 2009

On behalf of:
The Guardline Group, Guardline House, 22-24 Brunel Way, Thetford. IP24 1HP

Certificate No: 09F.079mr.TEC
Page: 1 of 2
Sample Ref: 9f / 079
Analysis Required: Activity against EN 13727 Bactericidal activity of chemical disinfectants used in the medical area.
Samples Tested: 30th June 2009

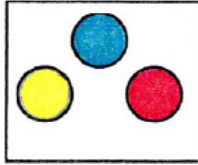
Product stored at room temperature in the dark.

Experimental conditions:

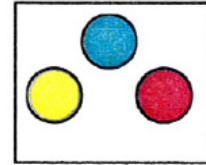
Product test concentrations	- Neat as received
Contact time	- 5 min
Test Temperature	- 20°C ± 0.5°C
Interfering substance	- 3.0g/l Bovine albumin
Neutralising solution	- 3% Tween 80, 3% Saponin, 0.1% Histidine, 0.1% Cysteine
Temperature of incubation	- 30°C ± 1°C

Identification of bacterial strains used - Methycillin Resistant Staphylococcus Aureus
NCTC 12493

D C Watson



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Test Results

Validation test	MRSA
Bacterial suspension	Vc 466, 434 Nv 4.50×10^3
Experimental conditions	Vc 410, 380 A 3.95×10^2
Neutraliser control	Vc 388, 396 B 3.92×10^2
Dilution-neutralisation control	Vc 420, 386 C 4.03×10^2
Bacterial Test Suspension	10^6 308 272 10^7 38 41 N 3.42×10^8
Test results	
Neat	Vc 10080 Na 1008000 R 3.39×10^2
Log reduction	2.53

Vc = Viable Count.

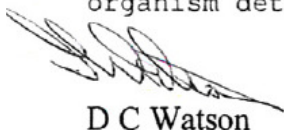
N = Number of cfu/ml of the bacterial test suspension.

Nv = Number of cfu in bacterial suspension.

R = Reduction in viability.

Na = Number of cfu/ml in the test mixture

Conclusion: According to EN13727 this batch of Alcohol Gel **does not possess satisfactory bactericidal activity** in 5 minutes at 20°C for the reference organism detailed.



D C Watson