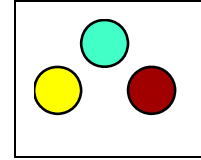


Abbott Analytical



Consulting Scientists to the Disinfectant Industry

17th August 2005

Certificate of Analysis

Samples: One sample of Ultracleanse received from Opus Healthcare Ltd. PO Box 8204, Ardleigh, Colchester, Essex. CO7 7WH
4th August 2005

Certificate No: 5H.022.OHC

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Sample Ref: 5h / 022

Analysis Required: Activity against EN 1276 under 'dirty' conditions.

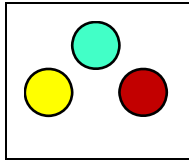
Samples Tested: 5th August 2005

Product stored at 5^oC in the dark.
Active substance: Not declared.
Batch Number: 'Thin'

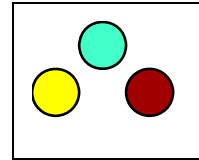
Experimental conditions:

Product test concentrations	- As received
Contact time	- 5 min
Test Temperature	- 20 ^o C \pm 0.5 ^o C
Interferring substance	- 0.3g/l Bovine albumin
Neutralising solution	- 3% Tween 80, 3% Saponin, 0.1% Histidine, 0.1% Cysteine
Temperature of incubation	- 30 ^o C \pm 1 ^o C
Identification of bacterial strains used	- Pseudomonas aeruginosa ATCC 15442 Escherichia coli NCTC 10418 Methycillin Resistant Staphylococcus Aureus ATCC 33591
Enterococcus hirae	ATCC 8043

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Test Results

Validation test	Pseudomonas aeruginosa	Escherichia coli	MRSA	Enterococcus hirae
Bacterial suspension	Vc 454, 496 Nv 4.75×10^3	Vc 294, 338 Nv 3.16×10^3	Vc 155, 192 Nv 1.73×10^3	Vc 252, 285 Nv 2.68×10^3
Experimental conditions	Vc 460, 434 A 4.47×10^2	Vc 254, 276 A 2.65×10^2	Vc 122, 148 A 1.35×10^2	Vc 270, 232 A 2.51×10^2
Neutraliser control	Vc 440, 458 B 4.49×10^2	Vc 234, 258 B 2.46×10^2	Vc 166, 136 B 1.51×10^2	Vc 278, 250 B 2.64×10^2
Dilution-neutralisation control	Vc 436, 414 C 4.25×10^2	Vc 238, 226 C 2.32×10^2	Vc 138, 170 C 1.54×10^2	Vc 250, 276 C 2.63×10^2
Bacterial Test Suspension	10^{-6} 312, 354 10^{-7} 28, 30 N 3.11×10^8	10^{-6} 292, 334 10^{-7} 27, 28 N 2.94×10^8	10^{-6} 167, 191 10^{-7} 15, 17 N 1.69×10^8	10^{-6} 388, 426 10^{-7} 34, 37 N 3.81×10^8
Test results				
Neat	Vc 0	0	0	0
Na	<100	<100	<100	<100
R	$>3.11 \times 10^5$	$>2.94 \times 10^6$	$>1.69 \times 10^6$	$>3.81 \times 10^6$

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 EN1276 this batch of Ultracleanse when used neat as received **possesses satisfactory bactericidal activity** in 5 minutes at 20°C under dirty conditions (3.0g/l bovine albumin) for the organisms detailed.

D C Watson