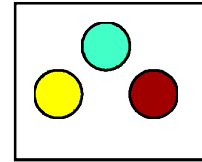


Abbott Analytical



Consulting Scientists to the Disinfectant Industry

16th January 2009

Certificate of Analysis

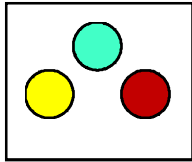
Samples: One sample of Biocleanse Concentrate received from Quadralene Ltd. Bateman Street, Derby. DE23 8JL 12th January 2009
Certificate No: 09A.078.QAD
Page: 1 of 2
Sample Ref: 9a / 078
Analysis Required: Activity against EN 13727 under 'dirty' conditions.
Samples Tested: 14th January 2009

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

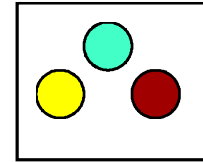
Experimental conditions:

Product test concentrations - 5% v/v
Contact time - 1 min & 5 min
Test Temperature - 20°C \pm 0.5°C
Interferring substance - 3.0g/l Bovine albumin serum
3.0ml/l Sheep erythrocytes
Neutralising solution - 3% Tween 80, 3% Saponin,
0.1% Histidine, 0.1% Cysteine
Temperature of incubation - 30°C \pm 1°C
Identification of bacterial strain used - *Serratia marscecens* NCTC 10211

D C Watson



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

Certificate No 09a.078.QAD

Page 2 of 2

Test Results

Validation test	Serratia marscecens
Bacterial suspension	Vc 366, 382 Nv 3.74×10^3
Experimental conditions	Vc 333, 370 A 3.51×10^2
Neutraliser control	Vc 380, 322 B 3.51×10^2
Dilution- neutralisation control	Vc 346, 318 C 3.32×10^2
Bacterial Test Suspension	10^{-6} 244 168 10^{-7} 13 27 N 2.03×10^8
Test results	
1 min Vc	3
Na	300
R	6.77×10^5
Log reduction	5.83
5 min Vc	0
Na	<100
R	$>2.03 \times 10^6$
Log reduction	>6.31

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 Biocleanse Concentrate when diluted 1 : 20 in sterile hard water possesses satisfactory bactericidal activity in 1 minute at 20°C for the reference organism detailed.

D C Watson