Department of Microbiology
Faculty of Science
Chulalongkorn University
Bangkok 10330,Thailand

Date : MAY 26, 2009

Test Report : 1.7S. 22 MAY 09

Client : Mr.Thinakorn Janavatara
Scionic Co.,Ltd.
52 Moo 7 Soi Wat-Ninsukaram, Wongwan Rd.,
Bangkae, Bangkok 10160

Number of Sample : 7 samples

Test required : Antibacterial activity

Method : Antibacterial test

Results:

At "24 h." contact time

Test Microorganisms	Sample	The number of bacteria CFU/ml (24 h.)	% Reduction
Staphylococcus aureus	Blank	2.2×10^{8}	-
	I 20g/l (SCIONIC ANTIMICROBIAL FINISHING AGENT)	0	100
	I 30g/l (SCIONIC ANTIMICROBIAL FINISHING AGENT)	0	100
	I 40g/l (SCIONIC ANTIMICROBIAL FINISHING AGENT)	0	100
	II 25 ppm (SCIONIC ANTIMICROBIAL SOLUTION)	6.8×10^{2}	99.99
	II 50 ppm (SCIONIC ANTIMICROBIAL SOLUTION)	2.1×10^{2}	99.99
	II 75 ppm (SCIONIC ANTIMICROBIAL SOLUTION)	0	100
	II 100 ppm (SCIONIC ANTIMICROBIAL SOLUTION)	0	100

Calculate percent reduction of bacteria by the following formula:

100(A-B)/A=R

where:

R = % reduction

A= the number of bacteria recovered from the inoculated untreated control specimen incubated over the desired contact period

B= the number of bacteria recovered from the inoculated treated test specimen incubated over the desired contact period

********** End of Report **********

T. Singhaboonpong

(Thanit Singhaboonpong, B.Sc.)
Experimentalist

The result certified by

(Associate Professor Ancharida Acharacharanya, Ph.D.)

Blank

I 20g/l

I 30g/l

I 40g/l

II 25 ppm

II 50 ppm

II 75 ppm

II 100 ppm

Figure 1 : The number of bacteria on the Blank, I 20g/l, I 30g/l, I 40g/l, II 25 ppm, II 50 ppm, II 75 ppm and II 100 ppm at "24 h." incubation with *Staphylococcus aureus*, plates incubated at 37°C for 24 hrs.