

**Textile Laboratory**  
**Test Report**

No: TX61299 /2019 /PL

Date: July 08, 2019

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Test Results:

Antibacterial Finishes on Textile Materials (CNS 14945 L1030)

Test Bacteria : Staphylococcus aureus ATCC 6538P				
Test Group	CFU/ml	LOG	Reduction (R)%	Bacterial Active Value
A	$2.0 \times 10^5$	5.30	>99.9	2.8
B	$1.4 \times 10^8$	8.15		
C	<100	<2		

Test Bacteria : Klebsiella pneumonia ATCC 4352				
Test Group	CFU/ml	LOG	Reduction (R)%	Bacterial Active Value
A	$1.5 \times 10^5$	5.18	>99.9	3.1
B	$2.1 \times 10^8$	8.32		
C	<100	<2		

Test Bacteria : Esherichia coli ATCC 8739				
Test Group	CFU/ml	LOG	Reduction (R)%	Bacterial Active Value
A	$1.8 \times 10^5$	5.26	>99.9	3.4
B	$4.4 \times 10^8$	8.64		
C	<100	<2		

Test Bacteria : Candida albicans ATCC 10231				
Test Group	CFU/ml	LOG	Reduction (R)%	Bacterial Active Value
A	$1.3 \times 10^5$	5.11	99.6	1.6
B	$5.0 \times 10^6$	6.70		
C	$4.0 \times 10^2$	2.60		

**Note:**

Treatment A: Average Of The Number Of Viable Cells Of Bacteria On Blank Sample At "0" Hr.  
 Treatment B: Average Of The Number Of Viable Cells Of Bacteria On Blank Sample After "24" Hr.  
 Treatment C: Average Of The Number Of Viable Cells Of Bacteria On Test Sample After "24" Hr.  
 $Reduction(\%) = (A-C)/A \times 100\%$   
 Bacterial active value :  $\log B - \log A \geq 1.5$  expressed that this experiment establishes.

Tested by relevant SGS laboratory.

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