SiShield Technologies, Inc.

REDUCTION/INHIBITION PERCENTAGE RESULTS FOR APPLICATION OF SIS AM7200 ON INDUS HOMES FABRIC TOWELS AGAINST *STAPHYLOCOCCUS AUREUS& KLEBSIELLA PNEUMONIAE*

REFERENCED METHODS:
AATCC Test Method 100 - 1993

Introduction:
Indus Homes provided two(2) color fabric towels to be tested for bio-efficacy: The treated towels are claimed to have biocidal activity. The fabrics towels were challenged with Staphylococcus aureus, and Klebsiella pneumoniae using the standardized method AATCC 100("Assessment of Antimicrobial Finishes on Textiles Materials").

Test article: Two(2) Color Fabric Towels
Report Date: Nov. 23, 2009

Samples:
1) Control Sample.
2) 2 Color Fabric Towels

Sample Size: 48mm circle
Number of Layer (s): 2
Time of Contact: 24 hours
Contact Temperature: 23° C
Date Contact Initiated: Nov.16, 2009
Incubation Temperature: 37° C
Incubation Time: 24 hours
Date of Plating: Nov. 17, 2009

Test Organism:	Initial Inoculum
Staphylococcus aureus	1.60×10^6 CFU/ml
Klebsiella pneumoniae	8.90×10^5 CFU/ml

RESULTS:

Staphylococcus aureus

Sample	CFU/ml after 24 hr Contact Time	% Reduction	% Inhibition
Control	$2.30x10^9$	N/R	NI
Treated Towel 1	<100	99.99%	99.99%
Treated Towel 2	$2.90x10^2$	99.98%	99.98%

Klebsiella pneumoniae

SAMPLE	CFU/ml after 24 hr Contact Time	% Reduction	% Inhibition
Control	$3.50x10^8$	N/R	NI
Treated Towel 1	<100	99.99%	99.99%
Treated Towel 2	$3.50x10^3$	99.78%	99.78%

NR-No Reduction NI- No Inhibition

The following formulas were used to calculate the percent reduction:

Percent Reduction (R) = [(A-B) / A] x 100

Where:

A = Population of bacteria/fungi recovered from untreated samples after 24 hrs of contact

B = Population of bacteria/fungi recovered from treated samples after 24 hrs of contact