

अहमदाबाद वस्त्र उद्योग अनुसंधान संस्थान

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TEST REPORT

Format No.:04/18/01

Test Report No : BT/ O/ 199/3	Date: 06.09.10
Name and address of Customer:	Somany Ceramics Ltd, 14, GIDC Kadi, Gujrat
Sample forwarding Letter No. & Date:	nil
Date of receipt of Sample:	28.07.10
Sample No. :	BT - 2387 / 3
Number of Samples: 08	
Quantity & Packaging : 10 pieces of each sample 5 cm square.	
Sample Particulars : Wall 300X600 MP-M-AB-01 (Grade/Variety/Type/Class)	
Sampling method : Sampling not done by ATIRA	
Date of Performance and completion of test(s): 16 th Aug, 2010 to 19 th Aug, 2010.	
Test Method : JIS Z 2801 : 2000 Antimicrobial products – Test for antimicrobial activity and efficacy	

Test Inoculum:

(1) *Staphylococcus aureus* MTCC 737, (5.28 x 10⁵ c.f.u./ml).

(2) *Escherichia coli* MTCC, (10 x 10⁵ c.f.u./ml).

Sample Code	Test Organism	Bacterial count cfu / sample (after incubation at 35 °C for 24 hrs)	Bacteria Reduction Rate (percentage)
Treated Wall 300X600 MP-M-AB-01	<i>S.aureus</i>	10 X 10 ³	99 %
Treated Wall 300X600 MP-M-AB-01	<i>E. coli</i>	50 X 10 ³	96%
Untreated	<i>S.aureus</i>	528 X 10 ³	Not applicable
Untreated	<i>E. coli</i>	1300 X 10 ³	Not applicable

NOTE : Tile samples were exposed to 30 minutes U V light before starting the experiment according to standard, as per the client.

Conclusion : The Wall 300X600 MP-M-AB-01 tiles shows 99 % antibacterial activity towards *S. aureus* and 96 % antibacterial activity towards *E. coli*.


Dr. (Mrs.) Shilpi Saxena
Incharge
Biological Testing Laboratory
ATIRA

Authorized signatory

Samples are not drawn by ATIRA. Result relates to the sample tested.

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Please write Test Report number and date for all future correspondence

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