



Antimicrobial Test Report

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Your Defense Against Harmful Microorganisms





Test Report

KA: TX: 2121054914

Date: May. 14, 2024

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The following sample was (were) submitted and identified by the client as:

Sample Description	: High Pressure Decorative Laminate, type compact laminate
Colour	: White
Style	: Sample O
Sample Receiving Date	: 02 April 2024
Test Performing Period	: 23 April – 14 May, 2024
Test Results	: Please refer to the next page(s).
Performed Test Summary:	: Selected test(s) as requested by client against Client's performance standard.

Signed for and on behalf of
SGS Pakistan Ltd.

BABAR SHAKEEL
Assistanat Manager
Connectivity and Products

JOE# 4282012

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Test Results:

Sample Description:

Sample No.	Material	Description
A	01	Sheet sample

Test Result(s):

Test Requested: Selected test(s) as requested by applicant: Antimicrobial activity test

Test Method: JIS Z 2801:2010 (COR 1:2011, AMD 1:2012) Antimicrobial products - Test for antimicrobial activity and efficacy (Including modification list COR 1:2011, AMD 1:2012)

Test organism(s)	MRSA ATCC 33591
Concentration of bacteria (CFU/mL)	3.3×10^5
Volume of test inoculum (mL)	0.4
U_0	3.88
U_t	4.82
A_t	-0.20
B (CFU/cm ²)	6.6×10^4
C (CFU/cm ²)	<0.63
R, the value of antimicrobial activity	5.0
Antibacterial activity rate (%) [*]	>99.9

Notes:

- The control sample is plastic film without antimicrobial activity, provided by SGS laboratory
- U_0 : the average of the common logarithm of the number of viable bacteria that recovered from control sample at "0 h" contact time (CFU/cm²).
- U_t : the average of the common logarithm of the number of viable bacteria that recovered from control sample at "24 h" contact time (CFU/cm²).
- A_t : the average of the common logarithm of the number of viable bacteria that recovered from sample at "24 h" contact time (CFU/cm²).
- *The calculation formula of the antibacterial activity rate is $[(B-C)/B] \times 100\%$;
B: arithmetic average of the numbers of bacteria obtained from control samples after 24 h Incubation (CFU/cm²);
C: arithmetic average of the numbers of bacteria obtained from samples after 24 h incubation (CFU/cm²).
- Pre-treatment: The surface of test specimen was wiped with 70% ethanol, rinsed with sterile water and let it air-dry.

This test results were obtained from a SGS affiliated laboratory.
(Test report no.: GZIN2404000604CM02_EN)

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Sample Photo



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

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