

TEST REPORT

No. : XMIN2109010493CM

Date : Mar 07, 2022

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XMIN2109010493CM

CUSTOMER NAME: WUXI TEFA DECORATION MATERIAL CO., LTD.
ADDRESS: ROOM 501, NO. 5, HUAQING INNOVATION PARK, HUIZHAN DISTRICT,
WUXI CITY, JIANGSU PROVINCE

Sample Name : PVC HOMOGENEOUS FLOOR ROLLS
Product Specification : 2.0mm*2m
Manufacturer : WUXI TEFA DECORATION MATERIAL CO., LTD.
Material and Mark : PVC
Other Information : Brand: FARFLY

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : QDF21-052308-02
Date of Receipt : Sep 26, 2021
Testing Start Date : Sep 26, 2021
Testing End Date : Nov 16, 2021
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd Xiamen Branch
Testing Center



Bryan Hong
Authorized signatory

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Sample Description : solid in bag.

Test Result(s) :

Test Requested : Test of antimicrobial activity

Test Method : ISO 22196:2011 Measurement of antibacterial activity on plastics and other non-porous surfaces

Test organism(s)	Escherichia coli ATCC 8739	Staphylococcus aureus ATCC 6538P
Concentration of bacteria (cells/mL)	6.5×10 ⁵	6.3×10 ⁵
Volume of test inoculum (mL)	0.4	0.4
U ₀	4.20	4.18
U _t	6.64	5.98
A _t	4.37	3.54
B (cells/cm ²)	4.4×10 ⁶	9.6×10 ⁵
C (cells/cm ²)	2.3×10 ⁴	3.4×10 ³
R	2.3	2.4
*The antibacterial activity rate (%)	99.5	99.6

Notes :

- The control sample is plastic film without antimicrobial activity, provided by SGS laboratory.
- U₀: the average of the common logarithm of the number of viable bacteria(cells/cm²) recovered from the untreated test specimens immediately after inoculation.
- U_t: the average of the common logarithm of the number of viable bacteria(cells/cm²) recovered from the untreated test specimens after 24 h.
- A_t: the average of the common logarithm of the number of viable bacteria(cells/cm²) recovered from the treated test specimens after 24 h.
- R: the value of antimicrobial activity, R=U_t-A_t.
- * The calculation formula of the antibacterial activity rate is $[(B-C)/B] * 100\%$;
B: arithmetic average of the numbers of bacteria obtained from the untreated test specimens after 24 h incubation(cells/cm²);
C: arithmetic average of the numbers of bacteria obtained from the treated test specimens after 24 h incubation(cells/cm²).
- Pre-treatment: The surface of test specimen was wiped with 70% ethanol, rinsed with sterile water and let it air-dry.
- Test the specified surface.

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Original Sample Photo:



Note: The above test project/method was carried out by subcontractors.
***** End of report*****

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755)83071443, or email: CN.Doccheck@sgs.com

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