SHANDONG XIANGYING NEW MATERIALS TECHNOLOGY CO., LTD
850 METERS WEST OF THE ROAD SOUTHEAST OF WANYAO VILLAGE,
TANYI INDUSTRIAL PARK, TANYI TOWN, FEI COUNTY, LINYI CITY, SHANDONG PROVINCE

Sample Description : WOOD-PLASTIC COMPOSITES

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

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SGS Ref No.	:	GZF24-0012703-01
Sample Receiving Date	:	Apr 08, 2024
Test Performing Date	:	Apr 08, 2024 to Apr 16, 2024
Test Performed	:	Selected test(s) as requested by applicant
Test Result(s)	:	For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

Peter Zhao
Authorized Signatory

Scan to see the report
SDHL2404005119HI
Verification:
check.sgsonline.com.cn

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

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中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300 t (86-757)22805888 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Sample Description:

Sample No.	SGS Sample ID	Description
1	GZF24-0012703-0001	Block sample

Test Result(s):

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

Test Method: Refer to ASTM E 2180-18 Standard test method for determining the activity of Incorporated antimicrobial agent(s) in polymeric or hydrophobic materials

GZF24-0012703-0001

Test organism(s)	Escherichia coli ATCC 8739
Test inoculum (CFU/mL)	1.6×10^{6}
Control Sample-0 h (CFU/cm²)*	3.3×10^{4}
Control Sample-24 h (CFU/cm²)*	7.2×10^{5}
Treated sample-24 h(CFU/cm²)*	1.1×10^{3}
Reduction (%)	99.8

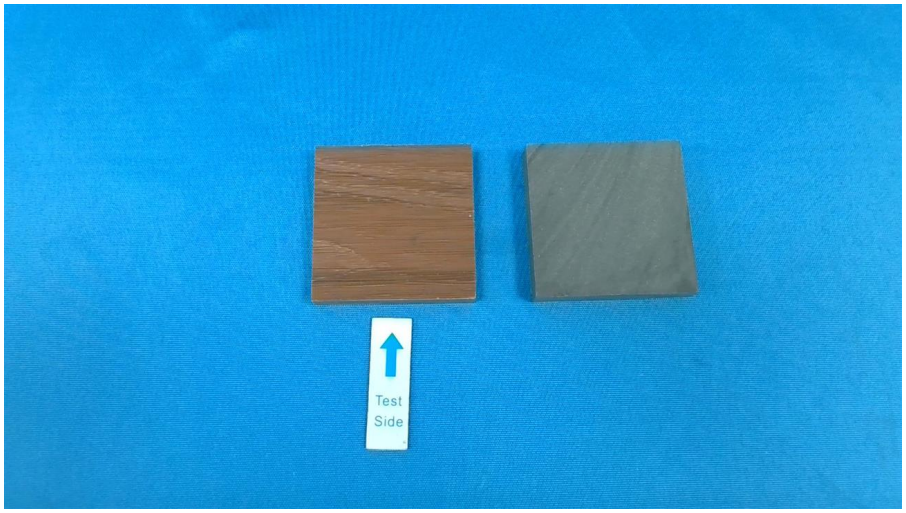
Test organism(s)	Staphylococcus aureus ATCC 6538
Test inoculum (CFU/mL)	1.5×10^{6}
Control Sample-0 h (CFU/cm²)*	2.9×10^{4}
Control Sample-24 h (CFU/cm²)*	8.5×10^{5}
Treated sample-24 h(CFU/cm²)*	1.6×10^{3}
Reduction (%)	99.8

Notes:

The control sample is plastic film without antimicrobial activity, provided by SGS laboratory.
*expressed as the antilog of the geometric mean of the recovered number of organisms .
Sample size: 5.0cm x 5.0cm

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中国・广东・佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300 t (86–757)22805888 sgs.china@sgs.com

Photo Appendix:



GZF24-0012703-0001

SGS authenticate the photo on original report only

Attention:
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Remark: This test was subcontracted to SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch.

End of Report

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

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