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.

****

SGS Ref No.	:	GZF24-0012157-01
Sample Receiving Date	:	Apr 03, 2024
Test Performing Date	:	Apr 03, 2024 to May 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
SDHL2404005120HI
Verification:
check.sgsonline.com.cn

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1-2/F., Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300 t (86-757)22805888 www.sgsgroup.com.cn
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	GZF24-0012157-0001	Block sample

Test Result(s):

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

Test Method: Refer to ASTM G 21-15(2021)e1 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi

GZF24-0012157-0001

Test organism(s)	Concentration of spores (spores /mL)	Rating observed growth on specimens (after 28 days)
*Test organism	1.0×10^6	2Grade

Notes:

*Test organism
Trichoderma virens CICC 2535 (equal to ATCC 9645), Aspergillus brasiliensis ATCC 9642, Chaetomium globosum ATCC 6205, Talaromyces pinophilus ATCC 11797, Aureobasidium pullulans ATCC 15233

History name of test organism
Aspergillus brasiliensis Historically known as A.niger.
Talaromyces pinophilus Historically known as P.pinophilum.
Trichoderma virens Historically known as Gliocladium virens.

According to ASTM G 21-15(2021)e1 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi, observed fungi growth rating on the specimens include:
0-None
1-Traces of growth (less than 10%)
2-Light growth (10 to 30%)
3-Medium growth (30 to 60%)
4-Heavy growth (60% to complete coverage)

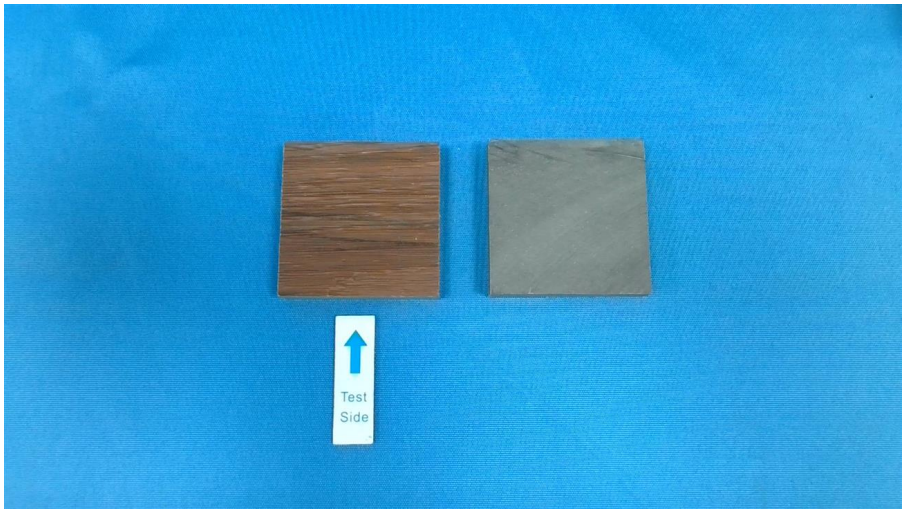
The microscope(50 X) was used to confirm the observation.

The sample itself carries miscellaneous bacteria/fungi.

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1-2/F., Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300 t (86-757)22805888 www.sgsgroup.com.cn
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)

Photo Appendix:



GZF24-0012157-0001

SGS authenticate the photo on original report only

Attention:
Unless otherwise stated the results shown in this test report refer only to the items tested.This document cannot be used for improper publicity, without prior written approval of the SGS. The test report shall only be used for scientific research, teaching, internal quality control.

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1-2/F., Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300 t (86-757)22805888 www.sgsgroup.com.cn
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)