TEST REPORT

No. : GZIN2509003897PL15_EN

Date : 2025-11-25

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GZIN2509003897PL15

Verification:
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CUSTOMER NAME:		GUANGDONG FORTUNE STONE NEW MATERIAL CO.,LTD
ADDRESS:		LUO YANG JIE DAO LI CUN XIAO DENG LONG DA XIANG XIN WU YANG GOU GROUP, BOLUO COUNTY, HUIZHOU CITY,GUANGDONG PROVINCE, CHINA
Sample Name	:	Flexible Stone
Buyer	:	Micro Sine Electric Sl

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.

****

Date of Receipt	:	2025-09-29
Testing Period	:	2025-09-29 ~ 2025-11-19
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. Guangzhou Branch.

Quincey Lee
Authorized signatory

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中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155661 sgs.china@sgs.com

TEST REPORT

No. : GZIN2509003897PL15_EN

Date : 2025-11-25

Sample Description:

Sample No.	SGS Sample ID	Description
1	GZF25-0047972-0001	Sheet sample

Test Result(s):

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

Test Method: Refer to HG/T 3950-2007 Antibacterial coating: Appendix A. Antibacterial coating-The test method of antibacterial activity

GZF25-0047972-0001

Test organism(s)	Escherichia coli CICC 20058 (equate to AS 1.90)
Concentration of bacteria (CFU/mL)	5.9×10^5
Test sample-24 h (CFU/piece)	<1000
Control sample -24 h (CFU/piece)	9.1×10^6
Negative sample -24 h (CFU/piece)	8.9×10^6
Antibacterial rate (%)	>99.9

Test organism(s)	Staphylococcus aureus CGMCC 1.0089 (equate to AS 1.89)
Concentration of bacteria (CFU/mL)	5.9×10^5
Test sample-24 h (CFU/piece)	<1000
Control sample -24 h (CFU/piece)	2.3×10^6
Negative sample -24 h (CFU/piece)	2.3×10^6
Antibacterial rate (%)	>99.9

Notes:

The negative sample is provided by SGS laboratory.

The control sample is provided by SGS laboratory.

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TEST REPORT

No. : GZIN2509003897PL15_EN

Date : 2025-11-25

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

Test Method: Refer to 1. HG/T 3950-2007 Antibacterial coating: 6.6 Stability test for antibacterial activity

2. HG/T 3950-2007 Antibacterial coating: Appendix A. Antibacterial coating-The test method of antibacterial activity

GZF25-0047972-0001

Test organism(s)	Escherichia coli CICC 20058 (equate to AS 1.90)
Concentration of bacteria (CFU/mL)	5.9×10^5
Test sample-24 h (CFU/piece)	<1000
Control sample -24 h (CFU/piece)	9.1×10^6
Negative sample -24 h (CFU/piece)	8.9×10^6
Antibacterial rate (%)	>99.9

Test organism(s)	Staphylococcus aureus CGMCC 1.0089 (equate to AS 1.89)
Concentration of bacteria (CFU/mL)	5.9×10^5
Test sample-24 h (CFU/piece)	<1000
Control sample -24 h (CFU/piece)	2.3×10^6
Negative sample -24 h (CFU/piece)	2.3×10^6
Antibacterial rate (%)	>99.9

Notes:

Stability test: Using an UV lamp (30W, 253,7wavelengh), the UV lamp is in accordance with GB 19258. Place the prepared pieces vertically with the bottom of UV lamp approximately 0.8m-1.0m and irradiate for 100 hours. Then perform the test for the treated pieces.

The negative sample is provided by SGS laboratory.

The control sample is provided by SGS laboratory.

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TEST REPORT

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

Test Method: Refer to HG/T 3950-2007 Antibacterial coating: Appendix B. Antibacterial coating- The test method of antifungal activity

GZF25-0047972-0001

Test organism(s)	*Test organism
Organisms concentration (spores/mL)	1.0×10^6
Moldy grade (28days)	2

Notes:
The negative sample is provided by SGS laboratory.
The control sample is provided by SGS laboratory.
*Test organism: Aspergillus niger CICC 40373(equate to AS3.4463), Aspergillus terreus CICC 40377(equate to AS3.3935), Paecilomyces varioti CICC 40379(equate to AS3.4253),Penicillium funicolosum CICC 40279(equate to AS3.3875),Aureobasium pullulans CICC 40329(equate to AS3.3984),Chaetoomium globsum AS3.4254.
According to HG/T 3950-2007 Antibacterial coating: Appendix B. Antibacterial coating- The test method of antifungal activity, observed fungi growth rating on the specimens include:
0- No growth apparent under the microscope(magnification 50 x);
1- Traces of growth, visible to the naked eye but growth covering less than 10 % of the test surface ;
2-Growth covering more than 10% of the test surface.
The sample itself carries miscellaneous bacteria/fungi.
Test result is only for reference.

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TEST REPORT

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

Test Method: Refer to 1. HG/T 3950-2007 Antibacterial coating: 6.6 Stability test for antibacterial activity
2. HG/T 3950-2007 Antibacterial coating: Appendix B. Antibacterial coating- The test method of antifungal activity

GZF25-0047972-0001

Test organism(s)	*Test organism
Organisms concentration (spores/mL)	1.0×10^6
Moldy grade (28days)	2

Notes:
Stability test: Using an UV lamp (30W, 253,7wavelengh), the UV lamp is in accordance with GB 19258. Place the prepared pieces vertically with the bottom of UV lamp approximately 0.8m-1.0m and irradiate for 100 hours. Then, test the treated pieces.
The negative sample is provided by SGS laboratory.
The control sample is provided by SGS laboratory.
*Test organism: Aspergillus niger CICC 40373(equate to AS3.4463), Aspergillus terreus CICC 40377(equate to AS3.3935), Paecilomyces varioti CICC 40379(equate to AS3.4253),Penicillium funicolosum CICC 40279(equate to AS3.3875),Aureobasium pullulans CICC 40329(equate to AS3.3984),Chaetoomium globsum AS3.4254.
According to HG/T 3950-2007 Antibacterial coating: Appendix B. Antibacterial coating- The test method of antifungal activity, observed fungi growth rating on the specimens include:
0- No growth apparent under the microscope(magnification 50 x)
1- Traces of growth, visible to the naked eye but growth covering less than 10% of the test surface
2-Growth covering more than 10% of the test surface
The sample itself carries miscellaneous bacteria/fungi.
Test result is only for reference.

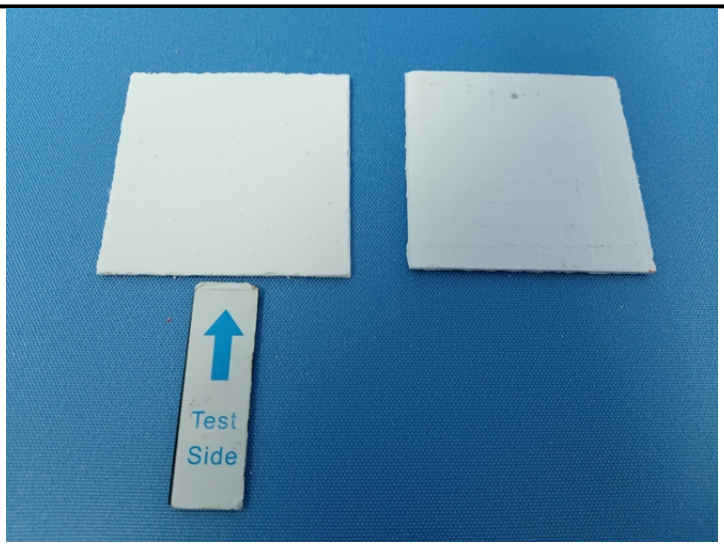
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No. : GZIN2509003897PL15_EN

Date : 2025-11-25

Sample Photo:



GZF25-0047972-0001

The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc… and just for internal reference.

********End of report********

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