

### Test Report

Client Name: DONGGUAN JIAFA P  
Client Address: NO.31 SUXING WEST VILLAGE CHANGPIN

Sample Name: /  
Manufacturer: /  
Sample Batch No.: /  
Production Date: /  
Sample other information: /

Above information and sample(s) was/were not responsible for

SGS Reference  
Date of Sample  
Testing Period  
Test Requester  
Test Method:  
Test Result(s)

Unless otherwise specified, use only, not for other purposes prior written approval

### Test Report

GZF22-009636-01

Date: 13 Apr 2022

Sample photo:



### Test Report

GZF22-009636-01

Date: 13 Apr 2022

Sample Description:

Specimen No.	SGS Sample ID	Description
1	GZF22-009636.001	Sheet sample

#### 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

#### GZF22-009636.001

Test organism(s)	Escherichia coli ATCC 8739
Concentration of bacteria (cells/mL)	4.2x10 <sup>5</sup>
Volume of test inoculum (mL)	0.4
U <sub>0</sub>	3.98
U <sub>t</sub>	5.80
A <sub>t</sub>	2.09
B (cells/cm <sup>2</sup> )	6.3x10 <sup>5</sup>
C (cells/cm <sup>2</sup> )	2.1x10 <sup>2</sup>
*The antibacterial activity rate (%)	>99.9

For detailed report, please contact email: info@jiafa-plas.com

- The untreated test specimens is plastic film without antimicrobial activity, provided by SGS laboratory.
- U<sub>0</sub>: the average of the common logarithm of the number of viable bacteria(cells/cm<sup>2</sup>) recovered from the untreated test specimens immediately after inoculation.
- U<sub>t</sub>: the average of the common logarithm of the number of viable bacteria(cells/cm<sup>2</sup>) recovered from the untreated test specimens after 24 h.
- A<sub>t</sub>: the average of the common logarithm of the number of viable bacteria(cells/cm<sup>2</sup>) recovered from the treated test specimens after 24 h.
- R: the value of antimicrobial activity, R=U<sub>t</sub>-A<sub>t</sub>.
- \* 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/cm<sup>2</sup>);  
C: arithmetic average of the numbers of bacteria obtained from the treated test specimens after 24 h incubation(cells/cm<sup>2</sup>).
- Pre-treatment: The surface of test specimen was wiped with 70% ethanol, rinsed with sterile water and let it air-dry.

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

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