



中国认可  
检测  
TESTING  
CNAS L0599

## Test Report

Date: 28 May 2020

Client Name:  
Client Address:

Sample Name: ABS Plastic Stationery  
Manufacturer: /  
Sample Batch No.: /  
Production Date: /

Above information and sample(s) was/were submitted and certified by the client, SGS quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

Date of Sample Received : 09 May 2020  
Testing Period : 09 May 2020 - 28 May 2020  
Test Requested : Selected test(s) as requested by client.  
Test Method : Please refer to next page(s).  
Test Result(s) : Please refer to next page(s).

**Chinese shall prevail in this report.**

**Unless otherwise stated the results shown in this test report refer only to the items tested. This document cannot be used for publicity, without prior written approval of the SGS.**



scan to see the report



ASH20-021485-02

SGS Authorized Signature

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Member of the SGS Group (SGS SA)

# Test Report

Date: 28 May 2020

**Sample Description :**

Specimen No.	SGS Sample ID	Description
1	ASH20-021485.001	sample 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

**ASH20-021485.001**

Test organism	Escherichia coli ATCC 8739	Staphylococcus aureus ATCC 6538P
Concentration of bacteria (CFU/mL)	8.4x10 <sup>5</sup>	7.1x10 <sup>5</sup>
Volume of test inoculum (mL)	0.4	0.4
U <sub>0</sub>	4.29	4.81
U <sub>t</sub>	6.66	6.64
A <sub>t</sub>	-0.20	-0.20
R	6.9	6.8
*The antibacterial activity rate (%)	>99.9	>99.9

**Notes :**

- 1.The control sample is plastic film without antimicrobial activity, provided by SGS laboratory.
- 2.U<sub>0</sub>: the average of the common logarithm of the number of viable bacteria(CFU/cm<sup>2</sup>) recovered from the untreated test specimens immediately after inoculation.
- 3.U<sub>t</sub>: the average of the common logarithm of the number of viable bacteria(CFU/cm<sup>2</sup>) recovered from the untreated test specimens after 24 h.
- 4.A<sub>t</sub>: the average of the common logarithm of the number of viable bacteria(CFU/cm<sup>2</sup>) recovered from the treated test specimens after 24 h.
- 5.R: the value of antimicrobial activity,R=U<sub>t</sub>-A<sub>t</sub>.
- 6.\* The calculation formula of the antibacterial activity rate is provided by the client, the calculation formula is **【(B-C)/B】 \*100%**;  
B: arithmetic average of the numbers of bacteria obtained from control samples after 24 h incubation(CFU/cm<sup>2</sup>);  
C: arithmetic average of the numbers of bacteria obtained from samples after 24 h incubation(CFU/cm<sup>2</sup>).
- 7.The flat side was tested, and Tween 80 was added to bacterial solution.

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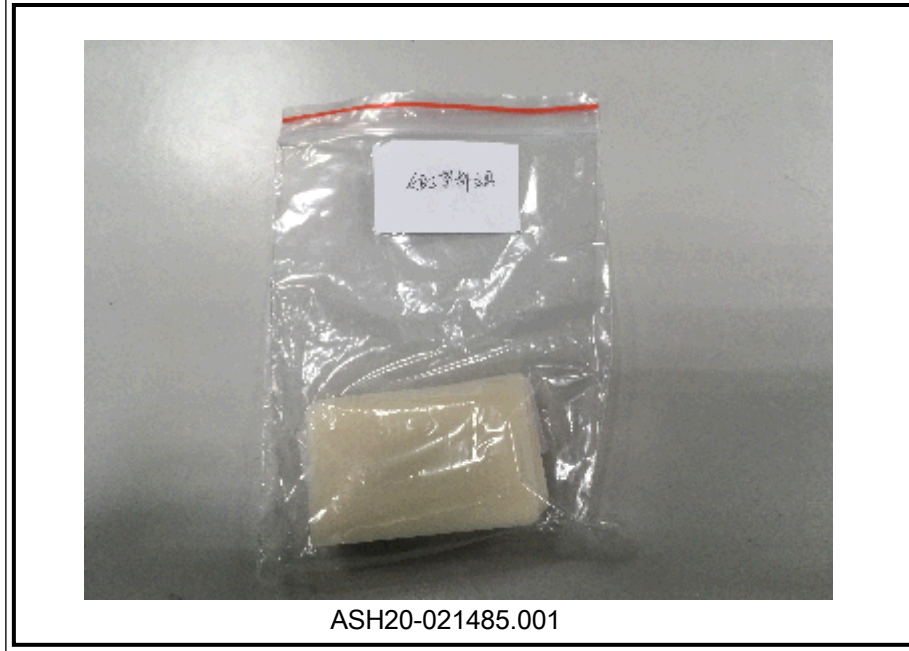
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## Test Report

Date: 28 May 2020

Sample photo:



SGS authenticate the photo on original report only

\*\*\* End \*\*\*

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