

#### **Test Report** ASH20-025460-02 Date: 17 Jun 2020 **Client Name:** XXXXX XXXXX XXXXX CO.,LTD. Client Address: XXXXXX Industrial Park, XXXXXXX, XXXXXX, XXXXXXX, Zhejiang

Sample Name: Silver ion antibacterial pen material Manufacturer: 1 Sample Batch No .: 1 Production Date: 1

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.

SGS Reference No. :	XMF20-002642
Date of Sample Received :	21 May 2020
Testing Period :	21 May 2020 - 17 Jun 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, and for clients internal use only, not to the society has the proof function. This document cannot be used for publicity, without prior written approval of the SGS.





SGS Authorized Signature

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Test Report		ASH20-025460-02	Date: 17 Jun 2020	
Sample Descriptio	<u>n :</u>			
Specimen No.	SGS Sample ID ASH20-025460.001	Description sample in bag		
<b>Test Result(s)</b> : Test Requested :	Test of antimicrobia	l activity		
Test Method :	ISO 22196:2011 Me	easurement of antibacterial activity on p	plastics and other non-porous	

#### ASH20-025460.001

surfaces

Salmonella enterica subsp. Enterica ATCC 14028		
7.1x10^5		
0.2		
3.98		
6.12		
-0.20		
6.3		
>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.Ut: 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.At: 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=Ut-At.

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/cm²).

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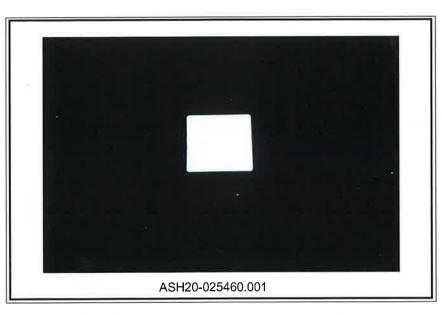


# **Test Report**

ASH20-025460-02

Date: 17 Jun 2020

Sample photo:



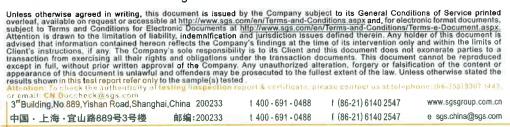
SGS authenticate the photo on original report only

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