



中国认可
检测
TESTING
CNAS L05899

Test Report

ASH20-051058-06

Date: 04 Sep 2020

Client Name: XXXXXXXXXXXX CO.,LTD.
Client Address: XXXXXXXXXXXXXXXXXXXX, ANHUI PROVINCE.CHINA

Sample Name: Anti-Bacterial 16oz Double Wall Mug
Manufacturer: /
Sample Batch No.: /
Production Date: /
Sample other information: Quantity:21PCS 5X5CM

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. : 15244357
Date of Sample Received : 25 Aug 2020
Testing Period : 25 Aug 2020 - 04 Sep 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.

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SGS Authorized Signature

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Member of the SGS Group (SGS SA)

Test Report

ASH20-051058-06

Date: 04 Sep 2020

Sample Description :

| Specimen No. | SGS Sample ID | Description |
|--------------|------------------|---------------|
| 1 | ASH20-051058.001 | 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

ASH20-051058.001

| | |
|--------------------------------------|---|
| Test organism | Salmonella enterica subsp. Enterica ATCC 14028 |
| Concentration of bacteria (cells/mL) | 7.9x10 ⁵ |
| Volume of test inoculum (mL) | 0.4 |
| U ₀ | 4.24 |
| U _t | 5.93 |
| A _t | 3.94 |
| B (cells/cm ²) | 8.6x10 ⁵ |
| C (cells/cm ²) | 8.8x10 ³ |
| R | 2.0 |
| *The antibacterial activity rate (%) | 99.0 |

Notes :

1. The control sample is plastic film without antimicrobial activity, provided by SGS laboratory.
2. U₀: the average of the common logarithm of the number of viable bacteria(cells/cm²) recovered from the untreated test specimens immediately after inoculation.
3. U_t: the average of the common logarithm of the number of viable bacteria(cells/cm²) recovered from the untreated test specimens after 24 h.
4. A_t: the average of the common logarithm of the number of viable bacteria(cells/cm²) recovered from the treated test specimens after 24 h.
5. R: the value of antimicrobial activity, R=U_t-A_t.
6. * The calculation formula of the antibacterial activity rate is **【(B-C)/B】 *100%**;
B: arithmetic average of the numbers of bacteria obtained from control samples after 24 h incubation(cells/cm²);
C: arithmetic average of the numbers of bacteria obtained from samples after 24 h incubation(cells/cm²).
7. Pre-treatment: The surface of test specimen was wiped with 70% ethanol, rinsed with sterile water and let it air-dry.
8. Test the sheet sample.



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Sample photo:



ASH20-051058.001



SGS authenticate the photo on original report only

*** End ***

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