

COMFY TEXTILE CO., LTD.

D-A04, 9/F JIACHENG BUILDING, NO.128, ZHONGXINDADAOXI, S.I.P.,SUZHOU, JIANGSU, CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)Knitted fabric (Warp knit microfiber Silicone Hyamine antibacterial towel)

Sample Color : (A) Orange

Composition : (A) 80%polyester/20%polyamide

End Use : (A) Medical/Home Textile

Sample Receiving Date : Jul 05, 2024

Testing Period : Jul 08, 2024 - Jul 20, 2024

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Test Performed : Selected test(s) as requested by applicant

## Conclusion

A

## Remark

Antibacterial Activity

See Results

Signed for and on behalf of

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

*Jack Zhang*

jack-yl\_zhang(Account Executive)



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## Test Result

Antimicrobial activity test<sup>^</sup>

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

**Test Method:** AATCC 100-2019 Test Method for Antibacterial Finishes on Textile Material:  
Assessment of

**A-After 5 washes**

Test organism(s)	Escherichia coli ATCC 8739
Concentration of bacteria (CFU/mL)	$2.4 \times 10^5$
Treated test specimen-at "0" contact time (CFU/sample)	$1.3 \times 10^5$
Treated test specimen-at "24-h" contact time (CFU/sample)	$1.4 \times 10^4$
Untreated test specimen / Viability control specimen- at "0" contact time (CFU/sample)	$2.2 \times 10^5$
Untreated test specimen / Viability control specimen- at "24-h" contact time (CFU/sample)	$8.5 \times 10^8$
Reduction(%)	>99.9

Test organism(s)	Klebsiella pneumoniae ATCC 4352
Concentration of bacteria (CFU/mL)	$1.6 \times 10^5$
Treated test specimen-at "0" contact time (CFU/sample)	$8.5 \times 10^4$
Treated test specimen-at "24-h" contact time (CFU/sample)	$3.5 \times 10^4$
Untreated test specimen / Viability control specimen- at "0" contact time (CFU/sample)	$1.5 \times 10^5$
Untreated test specimen / Viability control specimen- at "24-h" contact time (CFU/sample)	$1.7 \times 10^8$
Reduction(%)	>99.9



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Test organism(s)	Pseudomonas aeruginosa ATCC 15442
Concentration of bacteria (CFU/mL)	$1.7 \times 10^5$
Treated test specimen-at "0" contact time (CFU/sample)	$1.5 \times 10^5$
Treated test specimen-at "24-h" contact time (CFU/sample)	$1.1 \times 10^6$
Untreated test specimen / Viability control specimen- at "0" contact time (CFU/sample)	$1.6 \times 10^5$
Untreated test specimen / Viability control specimen- at "24-h" contact time (CFU/sample)	$1.4 \times 10^8$
Reduction(%)	99.2

Test organism(s)	Staphylococcus aureus ATCC 6538
Concentration of bacteria (CFU/mL)	$2.8 \times 10^5$
Treated test specimen-at "0" contact time (CFU/sample)	$1.4 \times 10^5$
Treated test specimen-at "24-h" contact time (CFU/sample)	$3.6 \times 10^3$
Untreated test specimen / Viability control specimen- at "0" contact time (CFU/sample)	$2.7 \times 10^5$
Untreated test specimen / Viability control specimen- at "24-h" contact time (CFU/sample)	$2.5 \times 10^8$
Reduction(%)	>99.9

## Notes:

Treated test specimen has not been sterilized before the testing.

The untreated test specimen is standard antimicrobial test viability control fabric from International Antimicrobial Council

Test viability control specimen is standard antimicrobial test viability control fabric from International Antimicrobial Council.

The neutralizer is DE broth.

The diluent is 1/20NB+0.05% Triton X-100.

Size and shape of test swatches: 3 pieces/square/3.8×3.8cm, equal 1.0g.

Reduction calculation method:

$R = 100(B-A)/B$ ;

R=reduction(%);

A=the number of bacteria recovered from the inoculated treated test specimen swatches in the jar incubated over the 24-h contact period;

B= the number of bacteria recovered from the inoculated untreated test specimen swatches in the jar incubated over the 24-h contact period.



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Washing procedure : AATCC TM188-2010e3(2017)e ; Test No. Machine wash at (80±5)°F with 1.8kg total loading (Type 3 Ballast + Specimen), 240±5ml of "Clorox" chlorine bleach(sodium hypochlorite activity: 4-6%) and 66±1g of 1993 AATCC Standard Reference Detergent "WOB", Normal Cycle, Tumble Dry Normal

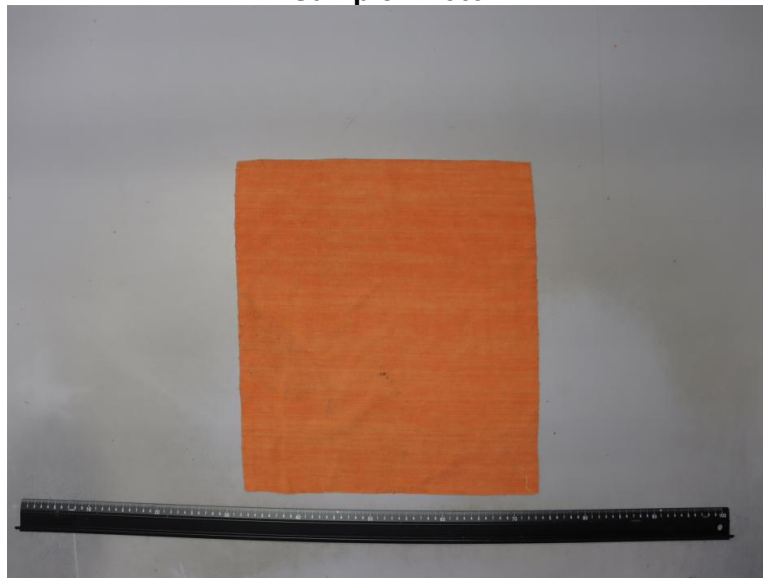
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**Chinese shall prevail in this report.**

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^ This test was carried out by SGS Ningbo Laboratory

**Sample Photo**



Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

\*\*\*End of Report\*\*\*



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