

SUZHOU STITCH TEXTILE TECHNOLOGY CO., LTD

25A, NEW MATERIALS INDUSTRIAL PARK, SHENGZE TOWN WUJIANG, SUZHOU 215228 P.R. CHINA

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

Sample Description : (A) Woven fabric (A piece of black silk fabric 25MM/140CM)

Sample Color : (A) Black

Composition : (A) 100% mulberry silk

Proposed Care Instruction : -

Sample Receiving Date : Jun 25, 2026

Testing Period : Jun 25, 2026 - Jul 06, 2026

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

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd

Jojo Cai

Jojo Cai (Authorized Signatory)



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Test Result

Fabric Thickness#

(ASTM D1777-26)

-	Unit	A
Thickness	mm	0.18

Silver(Ag)#

Test Method: With reference to US EPA 3052:1996, analysis was performed by ICP-OES/AAS.

Test Item(s)	Unit(s)	RL	A-after 20 washes
Silver(Ag)	mg/kg	10	12

Remark: ND = Not Detected
RL = Reporting Limit

Washing procedure: AATCC TM135-2025/AATCC Laboratory Procedure 2-2018; After 20 Washes, Option 1, Hand wash at (80±5)°F with 20g of 1993 AATCC Standard Reference Detergent, Line Dry, Iron Low Heat Steam or Dry

Antimicrobial activity test*#

Test Method: AATCC TM100-2019 Test Method for Antibacterial Finishes on Textile Material: Assessment of

A-after 20 washes

Test organism(s)	Klebsiella pneumoniae ATCC 4352
Concentration of bacteria (CFU/mL)	2.1×10 ⁵
Treated test specimen-at "0" contact time (CFU/sample)	1.8×10 ⁵
Treated test specimen-at "24-h" contact time (CFU/sample)	8.5×10 ⁵
Untreated test specimen / Viability control specimen- at "0" contact time (CFU/sample)	2.0×10 ⁵
Untreated test specimen / Viability control specimen- at "24-h" contact time (CFU/sample)	1.2×10 ⁸
Reduction(%)	99.3



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Test organism(s)	Staphylococcus aureus ATCC 6538
Concentration of bacteria (CFU/mL)	2.3×10^5
Treated test specimen-at "0" contact time (CFU/sample)	2.0×10^5
Treated test specimen-at "24-h" contact time (CFU/sample)	3.5×10^5
Untreated test specimen / Viability control specimen- at "0" contact time (CFU/sample)	2.2×10^5
Untreated test specimen / Viability control specimen- at "24-h" contact time (CFU/sample)	7.6×10^7
Reduction(%)	99.5

Notes:

The sample has been radiated by UV for 30 minutes 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.

Media: Nutrient broth/agar

The neutralizer is DE broth.

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

Size and shape of test swatches: 4 pieces/square/3.8×3.8cm, equal 1.0g.

Reduction calculation method:

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

$R = \text{reduction}(\%)$;

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.

Washing procedure: AATCC TM135-2025/AATCC Laboratory Procedure 2-2018; After 20 Washes, Option 1, Hand wash at $(80 \pm 5)^\circ\text{F}$ with 20g of 1993 AATCC Standard Reference Detergent, Line Dry, Iron Low Heat Steam or Dry

***This test was carried out by SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.**

#These test results are copied from report No. SL52615326175601TX Date: July 03, 2026

End of Report



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