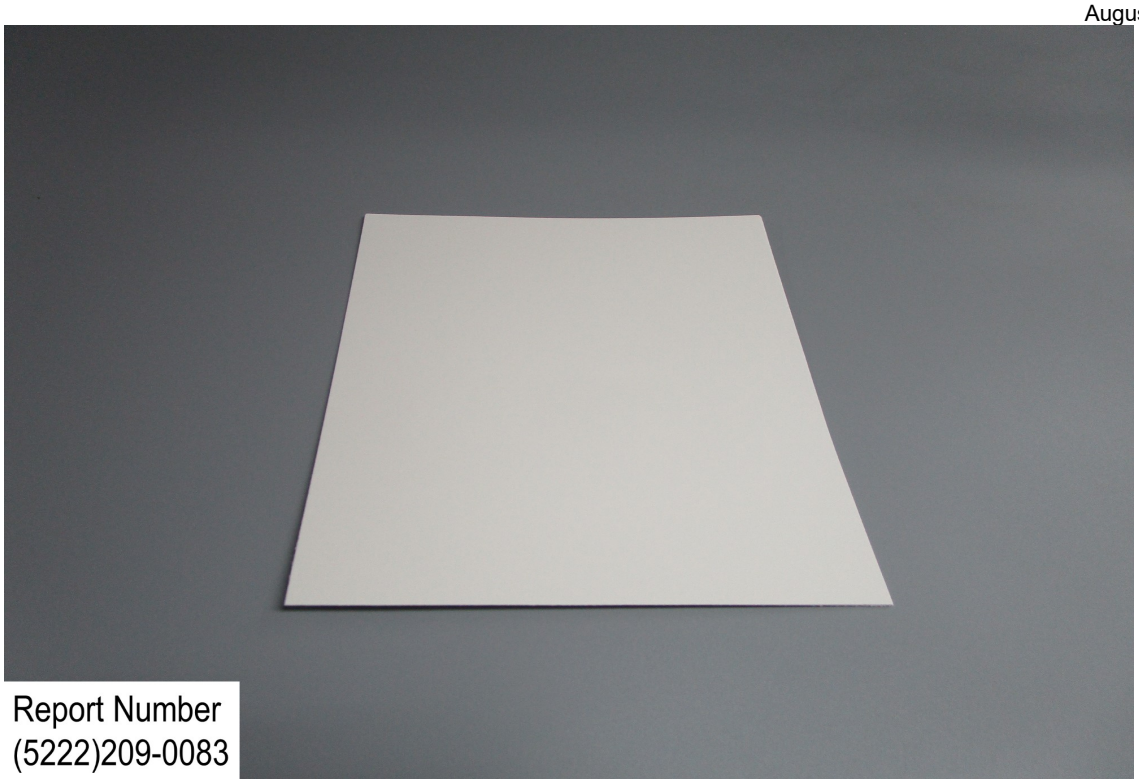
TEST REPORT

Technical Report: (5222)209-0083

August 11, 2022



BUREAU VERITAS HONG KONG LIMITED
1/F, Pacific Trade Centre, 2 Kai Hing Road
Kowloon Bay, Kowloon,
Hong Kong
Tel: 2331 0888 Fax: 2331 0889

TEST REPORT

TO : NEW ISLAND PRINTING CO LTD
RM1701,17/F BILLION PLAZA
8 CHEUNG YUE STREET
CHEUNG SHA WAN
KOWLOON,
HONG KONG

ATTN : AARON NG

LAB NO.:	(5222)209-0083
FORM NO.:	/
DATE IN:	Jul 28, 2022
DATE OUT:	Aug 11, 2022
REVISION DATE:	Aug 12, 2022
DEPARTMENT:	/
NO. OF WORKING DAYS:	10
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OVERALL RATING

PASS	
FAIL	
DATA	**X**

Vendor:	/	**Agent:**	/
Fabric Supplier/Mill:	/	**Factory/Manufacturer:**	/
P.O. No.:	/	**Style No.:**	AGS-MV SIDE 2
Sample Description:	AGS-MV	**Style Description:**	/
Color:	/	**Country of Origin:**	/
Claimed Fabric Weight:	/	**Claimed Fabric Count:**	/
Yarn Size:	/	**Submitted Size:**	/
Size Range:	/	**FPU No.:**	/
GPU No.:	/	**End Use:**	/
Finishing:	/	**Age Group:**	/
SKU:	/		

Product Category	/
Test Requested	/
Previous Report No.	/

Submitted Fiber Content	/
Actual Fiber Content	/
Suggested Fiber Content	/
Submitted Care Instruction(s)	/
Client Expected Care Instruction	/
Suggested Care Instruction(s)	/

TEST PROPERTY	PASS	FAIL	DATA	COMMENTS
AATCC 100-2019: QUANTITATIVE DETERMINATION OF ANTIBACTERIAL FINISHES ON TEXTILE MATERIALS			X	

BUREAU VERITAS HONG KONG LIMITED

JEFF CHAN
MANAGER
SOFTLINES DEPARTMENT

C/N

Executive summary

The sample(s) was/were tested to the following standard and the data provided is for informational purposes only.

- **AATCC 100-2019: Quantitative Determination of Antibacterial Finishes on Textile Materials**

Method Summary

The anti-bacterial properties were evaluated using AATCC 100-2019: Quantitative Determination of Antibacterial Finishes on Textile Materials with the modification of using film to enhance the surface contact.

The following organisms were used for this test: Staphylococcus aureus (ATCC strain no. 6538) and and Escherichia coli (ATCC strain no. 25922).

Test samples were inoculated with the test organisms. After incubation, the bacteria were eluted from the samples by shaking in known amounts of neutralizing solution. The number of bacteria present in this liquid was determined, and the percentage reduction by the treated specimen was calculated.

RESULTS:

Tested Component: **(A)** very pale yellow face side of paper

Percent Reduction (%)

Name of bacteria used for test (Strain number)	***Staphylococcus aureus* (ATCC strain #6538)**	***Escherichia coli***
Percent Reduction (%)	≥ 99.9	≥ 99.9
Comment	For information only	

Recovery of Bacteria

Name of bacteria used for test (Strain number)	***Staphylococcus aureus* (ATCC strain #6538)**	***Escherichia coli***
The number of bacteria recovered from the inoculated treated test specimen swatches immediately after inoculation (at "0" contact time) (C)	77,500	95,000
The number of bacteria recovered from the inoculated treated test specimen swatches incubated over the 24 hours contact period (A)	LT100	LT100
The number of bacteria recovered from the inoculated viability control swatches incubated over the 24 hours contact period	10,900,000	77,000,000

C/N

Note:

Percent reduction (%) = 100 (C-A) / C

GT = Greater Than LT = Less Than

*Identical untreated control sample was not provided

Remarks:

- The criterion for passing the test must be determined by the interested parties.

Information:

Laundering method (if any):

Sample size per container:	1 swatch		
Volume of inoculum:	0.4 mL		
Method of sterilization:	None		
No. of bacteria were inoculated per sample:	345,000	cfu/ml of	*Staphylococcus aureus*
	260,000	cfu/ml of	*Escherichia coli*
Neutralizing solution:	D/E Neutralizing Broth		
The dilution of the test organism:	1:20 times diluted Trypticase Soy broth with 0.05% Triton X-100		
Plate Count Medium:	Nutrient Agar		
Dimension of test sample:	50 x 50 mm square		
Size of the cover film:	40 x 40 mm square, PE material		

C/N