



**BUREAU  
VERITAS**

# TEST REPORT

**Technical Report:** (5222)243-0224

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September 15, 2022



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**BUREAU  
VERITAS**

# TEST REPORT

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

**LAB NO.:** (5222)243-0224  
**FORM NO.:** /  
**DATE IN:** Aug 31, 2022  
**DATE OUT:** Sep 15, 2022  
**DEPARTMENT:** /  
**NO. OF WORKING DAYS:** 11  
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**ATTN : AARON NG**

<b><u>OVERALL RATING</u></b>	
<b>PASS</b>	_____
<b>FAIL</b>	_____
<b>DATA</b>	_____ <b>X</b> _____

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

<b>Product Category</b>	/
<b>Test Requested</b>	/
<b>Previous Report No.</b>	/

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



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TEST PROPERTY	PASS	FAIL	DATA	COMMENTS
QUANTITATIVE DETERMINATION OF ANTIBACTERIAL FINISHES			X	

BUREAU VERITAS HONG KONG LIMITED

JEFF CHAN  
MANAGER  
SOFTLINES DEPARTMENT



**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 *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

<b>Percent Reduction (%)</b>		
<b>Name of bacteria used for test</b>	<b><i>Staphylococcus aureus</i></b>	<b><i>Escherichia coli</i></b>
Percent Reduction (%)	≥ 99.9	≥ 99.9
Comment	For information only	

<b>Recovery of Bacteria</b>		
<b>Name of bacteria used for test</b>	<b><i>Staphylococcus aureus</i></b>	<b><i>Escherichia coli</i></b>
The number of bacteria recovered from the inoculated treated test specimen swatches immediately after inoculation (at "0" contact time)	149,000	183,000
The number of bacteria recovered from the inoculated treated test specimen swatches incubated over the 24 hours contact period	LT100	LT100
The number of bacteria recovered from the inoculated viability control swatches incubated over the 24 hours contact period	7,000,000	45,000,000

**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:**

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
	500,000	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:	60 x 60 mm square, PE material		