TEST REPORT

Technical Report: (5222)297-0163

November 08, 2022

BUREAU VERITAS HONG KONG LIMITED
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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)297-0163
FORM NO.:	/
DATE IN:	Oct 24, 2022
DATE OUT:	Nov 08, 2022
DEPARTMENT:	/
NO. OF WORKING DAYS:	11
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OVERALL RATING

PASS	
FAIL	
DATA	**X**

Vendor:	/	**Agent:**	/
Fabric Supplier/Mill:	/	**Factory/Manufacturer:**	/
P.O. No.:	/	**Style No.:**	AGS-WB SIDE 2 AGED
Sample Description:	AGS-WB SIDE 2 1 YEAR AGED	**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
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 due to the test sample was hydrophobic.
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 side of paper

Percent Reduction (%)

Name of bacteria used for test	***Staphylococcus aureus***	***Escherichia coli***
Percent Reduction (%)	≥ 99.9	≥ 99.9
Comment	For information only	

Recovery of Bacteria

Name of bacteria used for test		***Staphylococcus aureus***	***Escherichia coli***
The number of bacteria recovered from the inoculated treated test specimen swatches immediately after inoculation (at “0” contact time)	(C)	138,000	142,500
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		10,100,000	26,000,000

Note:

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

GT = Greater Than LT = Less Than

* Identical untreated control sample was not provided

C/N

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:	414,000 cfu/ml of *Staphylococcus aureus* 369,000 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 film:	60 x 60 mm square, PE material