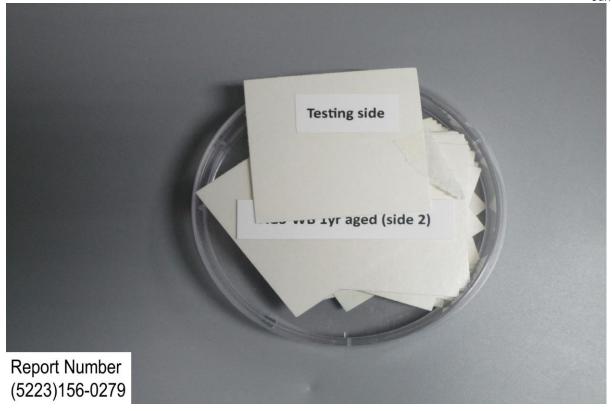


# **TEST REPORT**

**Technical Report:** (5223)156-0279

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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

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# NANO AND ADVANCED MATERIALS INSTITUTE LTD TEST REPORT

TO: NEW ISLAND PRINTING CO LTD

RM1701,17/F BILLION PLAZA

8 CHEUNG YUE STREET

CHEUNG SHA WAN

KOWLOON, HONG KONG

**ATTN: RAIN NG** 

**LAB NO.:** (5223)156-0279

FORM NO.:

DATE IN: Jun 05, 2023
DATE OUT: Jun 19, 2023
BUYER: NANO AND ADVANCED

MATERIALS INSTITUTE LTD

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.:	1	Style No.:	AGS-WB 1YR AGED (SIDE 2)
Sample Description:	AGS-WB 1YR AGED (SIDE 2)	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:	1	Age Group:	/
SKU:	1		

Product Category	
Test Requested	
Previous Report No.	

Submitted Fiber	1
Content	
Actual Fiber Content	
Suggested Fiber	1
Content	
Submitted Care	/
Instruction(s)	
Client Expected Care	/
Instruction	
Suggested Care	1
Instruction(s)	



TEST PROPERTY	PASS	FAIL	DATA	COMMENTS
AATCC 100-2019: Quantitative			Х	
Determination of Antibacterial				
Finishes on Textile Materials				

BUREAU VERITAS HONG KONG LIMITED

JEFF CHAN MANAGER SOFTLINES DEPARTMENT

LAB NO: (5223)156-0279

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## **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) The test side of very pale yellow paper (AGS-WB 1yr aged, side2)

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)	130,000	140,000
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		14,600,000	86,000,000

#### Note:

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

GT = Greater Than LT = Less Than

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\* 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 1 swatch

container:

Volume of inoculum: 0.4 mL

Method of sterilization: None

No. of bacteria were 292,000 cfu/ml of Staphylococcus aureus

inoculated per sample: 282,000 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