速報用データ For prompt report,

OSAKA LABORATORIES

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No. HK-22-019108

TEST REPORT

December 28, 2022

Name of client : New Island Printing Group Co., Ltd.

Address : Room 1701, 17/F, Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, Hong Kong

Test item : Antibacterial activity
Date of receipt : December 19,2022

This is to report that the results of laboratory test applied on the sample are as follows:

1. Description of the test samples

Sample No.	The type, name, size, s	shape, and thickness of antimic	Sample swatches	
	Antimicrobial test piec	ee AGS-UE(Coated Paper)	50mm x 50mm x0.5mm	Omitted
tital s				
	Untreated test piece	OST-UE	50mm x 50mm x0.5mm	Omitted

2. Test results

2.1. Staphylococcus aureus

Type of sample	Sample No.1		
Type of sample	Preprocessing A	Preprocessing B	
Volume of inoculum (mL).	0.4	0.4	
Inoculated bacteria concentration (cells/mL).	7.3E+05	7.3E+05	
U_0	4.22	4.22	
U_{t}	4.33	1.85	
A_{t}	<-0.20	<-0.20	
Antibacterial activity value (R).	>4.5	>2.0	

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2.2. Escherichia coli

True of comple	Sample No.1		
Type of sample	Preprocessing A	Preprocessing B	
Volume of inoculum (mL).	0.4	0.4	
Inoculated bacteria concentration (cells/mL).	7.1E+05	7.1E+05	
U_0	4.21	4.22	
U_t	5.86	4.89	
A_{t}	<-0.20	<-0.20	
Antibacterial activity value (R).	>6.0	>5.0	

U₀: Mean of common logarithm of the number of viable cells of bacteria immediately after inoculation on the untreated test piece.

3. Test conditions

			
Test method	JIS Z 2801		
Date of test start	2022/12/21		
	Biological testing laboratory No. 1, Biological laboratory,		
Laboratory that conducted the testing	Osaka laboratories, Kaken Test Center		
The type, size shape, and thickness of film	Sterile polyethylene stomacher bag, 40mm×40mm×0.09mm		
Cleaning of the test piece	The test specimen surface was not cleaned with ethanol by requested for the client.		
T 41 4 .	Staphylococcus aureus NBRC 12732		
Test bacteria	Escherichia coli NBRC 3972		
MAKNIJI	Preprocessing A	Durability of antibacterial activity against immersion to water: SIAA** classification 0	
Preprocessing method for test piece*	Preprocessing B	Durability of antibacterial activity against light irradiation: SIAA** classification 1	
		rnational sustaining growth for Antimicrobial Articles ".	

Signatory, Manager:	
	Y. Takahashi

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U₁: Mean of common logarithm of the number of viable cells of bacteria on the untreated test piece after 24hr.

A_t: Mean of common logarithm of the number of viable cells of bacteria on the antimicrobial test piece after 24hr.