Test Report

Number : TWNC00938159

Applicant: ACEGREEN ECO-MATERIAL TECHNOLOGY CO., LTD.
No. 50, Ln. 20, Sec. 1, Nantong Rd.,
Ershui Township, Changhua County 530,
Taiwan, R.O.C.

Date Issued : Dec 03, 2020

Sample Description:

One (1) Piece of Submitted Sample Said To Be :

Item Name	: Antibacterial Melt-Blown Nonwoven
Item No.	: ACE-M-001/GCE0175L
Color	: Natural
Quantity	: 1 Piece
Manufacturer	: ACEGREEN ECO-MATERIAL TECHNOLOGY CO., LTD
Buyer	: ACEGREEN ECO-MATERIAL TECHNOLOGY CO., LTD
Country of Origin	: Taiwan
Date Sample Received	: Nov 24, 2020
Date Test Started	: Nov 24, 2020

Test Conducted:

As requested by the applicant, for details please refer to attached pages.

Authorized By:
On behalf of Intertek Testing Services Taiwan Limited

Carol Peng
General Manager

Signed by:

Thomas Chou
Manager

Intertek Testing Services Taiwan Ltd.
8F., No. 423, Ruiguang Rd., Neihu District, Taipei 11492, Taiwan, R.O.C.
全國公證檢驗股份有限公司
11492 台北市內湖區瑞光路 423 號 8 樓
Tel: (+886-2) 6602-2888 · 2797-8885 Fax: (+886-2) 6602-2405

Test Conducted :

1. Antibacterial Activity Test

As per AATCC TM100-2019.

Test Organism : *Escherichia coli* (ATCC 8739)
Sterilization Of Sample Before Test : No Sterilization
Neutralizing Solution : Dey Engley Broth
Concentration Of Surfactant : 0.05% Triton X-100
Contact Time : 24 Hours
Incubation Temperature : 37±2°C
Incubation Period : 24-48 Hours
Agar Medium : Nutrient Agar
Swatches Weight : 1.0±0.1 g

Tested Specimen : Submitted Sample (Swatches with 3.8 X 3.8±0.1 cm)

Result :

Name Of Test Bacteria (Strain Number)	*Escherichia coli* (ATCC 8739)
The number of bacteria recovered from the inoculated viability control fabric swatches immediately after inoculation ("0" contact time) (D)	1.74×10^5 CFU/Sample
The number of bacteria recovered from the inoculated viability control fabric swatches incubated over 24 hours contact period (B)	1.08×10^8 CFU/Sample
The number of bacteria recovered from the inoculated tested sample swatches immediately after inoculation ("0" contact time) (C)	1.56×10^5 CFU/Sample
The number of bacteria recovered from the inoculated tested sample swatches incubated over 24 hours contact period (A)	6.60×10^3 CFU/Sample
Growth value (F)	2.79
Percent reduction of Bacteria (R)	95.77%

Calculation of percent reduction of Bacteria:

$R = (C\text{-}A)/C \times 100\%$

$F = \text{Log } B - \text{Log } D$

Remarks : CFU = Colony forming unit
Viability control fabric = Cotton standard adjacent fabric(cotton No.3) specified in JIS L0803

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End of Report

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