

Test Report

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

Number : TWNC00938159

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



Page 1 of 3

Intertek Testing Services Taiwan Ltd.

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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 :

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

Calculation of percent reduction of Bacteria:

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

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

Remarks : CFU = Colony forming unit

Viability control fabric = Cotton standard adjacent fabric(cotton No.3) specified in JIS L0803





End of Report

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