

**Test Report**

Applicant: BIOFAST BIOTECH ORIGINALITY STUDY CO., LTD  
No.350, Ln. 165, Sec. 1, Tanxing Rd.,  
Tanzi Dist., Taichung City 42743, Taiwan

Number : TWNC00877992  
Date Issued : Apr 17, 2020

**Sample Description:**

One (1) Piece of Submitted Sample Said To Be :  
Item Name : GD80216  
Color : -  
Quantity : 1 Piece

**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

Thomas Chou  
Manager



Test Conducted :

1. Antibacterial Activity Test

As per AATCC TM100-2019.

Test Organism : *Staphylococcus aureus* (ATCC 6538)  
*Klebsiella pneumoniae* (ATCC 4352)

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> (Strain Number)	<i>Staphylococcus aureus</i> (ATCC 6538)	<i>Klebsiella pneumoniae</i> (ATCC 4352)
The number of bacteria recovered from the inoculated viability control fabric swatches immediately after inoculation ("0" contact time) (D)	1.62X10 <sup>5</sup> CFU/Sample	1.85X10 <sup>5</sup> CFU/Sample
The number of bacteria recovered from the inoculated viability control fabric swatches incubated over 24 hours contact period (B)	4.40X10 <sup>7</sup> CFU/Sample	3.73X10 <sup>7</sup> CFU/Sample
The number of bacteria recovered from the inoculated tested sample swatches immediately after inoculation ("0" contact time) (C)	1.57X10 <sup>5</sup> CFU/Sample	1.77X10 <sup>5</sup> CFU/Sample
The number of bacteria recovered from the inoculated tested sample swatches incubated over 24 hours contact period (A)	<100 CFU/Sample	<100 CFU/Sample
Growth value (F)	2.43	2.30
Percent reduction of Bacteria (R)	>99.94%	>99.94%



Test Conducted :

Antibacterial Activity Test : (Cont'd)

Calculation of percent reduction of Bacteria:

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

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

Remarks : CFU = Colony forming unit

< = Less than

> = More than

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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