

# Textile Laboratory

## Test Report

No: TX10533 /2022 /CT

Date: Jan. 19, 2022

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Te Yi Textile Trade Co., Ltd.  
9F-2, No. 58, Tung Teh 11th Street,  
Taoyuan City, Taiwan, R.O.C.

The following sample was submitted and identified by applicant as:

|                         |   |   |
|-------------------------|---|---|
| Sample Description      | : | One sample of woven fabric HOS417 air 4WS                   |
| Color                   | : | Peach Nougat  |
| Fiber Content           | : | 90% Polyester 10% Elastane                                  |
| Fabric Weight           | : | 95gsm   |
| Construction            | : | /   |
| End Use                 | : | Boardshort  |
| Style No.               | : | HOS417  |
| Buyer                   | : | Picture Organic   |
| Country of Origin       | : | China   |
| Applicant               | : | Te Yi Textile Trade Co., Ltd.                               |
| Sample Receiving Date   | : | Jan. 10, 2022   |
| Test Performance Period | : | Jan. 10, 2022 to Jan. 19, 2022                              |
| Test Performed          | : | Selected test(s) as requested by applicant.                 |
| Test Results            | : | For further details, please refer to the following page(s). |

Signed for and on behalf of  
SGS Taiwan Ltd.

*Ronnie Chang*

Chang Chia Hao, Ronnie  
Technical Manager



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## Test Results :

## 1.Horizontal Wicking (AATCC 198 - 2018)

As received - Face side

Time to 100 mm distance

Horizontal wicking rate

55 sec

125.7 mm<sup>2</sup>/s

## 2.Antibacterial Finishes on Textile Materials (AATCC 100 - 2019)

| Test Bacteria : Staphylococcus aureus BCRC No. 12154 |                     |                |
|--|---------------------|----------------|
| Test Group   | CFU/specimen        | Reduction (R)% |
| Control test at "0" hr (C)                           | 3.0×10 <sup>5</sup> | 98.5           |
| Control test at "24" hr (B)                          | 1.0×10 <sup>8</sup> |                |
| Treated test at " 24 " hr (A)                        | 1.5×10 <sup>6</sup> |                |

| Test Bacteria : Klebsiella pneumoniae BCRC No. 16082 |                     |                |
|--|---------------------|----------------|
| Test Group   | CFU/specimen        | Reduction (R)% |
| Control test at "0" hr (C)                           | 3.0×10 <sup>5</sup> | >99.9          |
| Control test at "24" hr (B)                          | 2.6×10 <sup>8</sup> |                |
| Treated test at " 24 " hr (A)                        | 4.2×10 <sup>3</sup> |                |

## Note:

1. Bacteria counts of untreated control at " 0 " hr (C) should be at 1.0\*10<sup>5</sup> to 3.0\*10<sup>5</sup> CFU/specimen
2. Reduction R (%) = 100(B-A)/B
3. Samples are 3.8 X 3.8 cm square swatches, 1.0g in total.
4. Sterilized with UV light before testing.

Tested by relevant SGS laboratory.

\*\*\* End of Report \*\*\*

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