



TEST REPORT

Trans Pacific Textile Sdn. Bhd.

Test Report No:

7191243504-CHM20-02B-RC

Test Report

Company Name & Address	Honsin Apparel Sdn. Bhd. 531, Batu 2 ½, Jalan Kluang, 83000, Batu Pahat, Johor Darul Takzim, Malaysia.
Product/Model(s)	ProXmask Filter
Standard/Specification(s)	Bacterial Filtration Efficiency ASTM F2101-19
Date of Test	15 September 2020
Test Report Number	7191243504-CHM20-02B-RC

This report is made on the basis of information and data from original report results.

Prepared by

Dr Zetty Azalea

R&D Chemist



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1. Bacteria Filtration Efficiency (BFE) Test (ASTM F2101-19)

Test description:

ASTM F2101-19 standard test method for evaluating the bacteria filtration efficiency (BFE) of medical face mask materials, using a biological aerosol of *Staphylococcus aureus*.

Area contacting with the bacteria challenge: white side of the filter

Flow rate: 28.3 ± 0.3 L/min

Mean particle size of the challenge aerosol: $3 \mu\text{m} \pm 0.3 \mu\text{m}$

Test area: approximately 50 cm^2

Sample description:

ProXmask filter

The test samples have been subjected to AATCC LP2-2018 Home Laundering: Hand washing procedure (60 washes and drying at 10th 35th and 60th cycle) prior to testing.

Result:

Sample	BFE (%)	Average BFE (%)
1	>99.96	99.96
2	>99.96	
3	>99.96	
4	99.96	
5	>99.96	