

TEST REPORT

Report No. SS 2013496



INDUSTRIAL TECHNOLOGY INSTITUTE

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TEST REPORT

Report No. SS 2013496

Report to:

Weera Trading (Pvt) Ltd.
No.352,
Uggalboda,
Kalutara.

Issued by:

Chemical and Microbiological Laboratory
Industrial Technology Institute

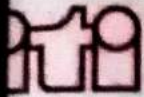
2020/11/23

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H. I. W.
2020/11/23

THE REPORT IS ISSUED SUBJECT TO CONDITIONS MENTIONED OVERLEAF

"PLEASE ADDRESS ALL COVERS TO THE DIRECTOR GENERAL"



... Continuation Sheet

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Customer: Weera Trading (Pvt) Ltd. No.352, Uggalboda, Kalutara.	Test Item: FACE MASK Service Requested: Customer's request dated 2020/11/09
Sample Details: Test item of face mask (50 Face Masks) contained in a printed cardboard box.	Label : Attached (Page 05 of 05 pages) Date of Receipt of Test Item: 2020/11/09
Test Dates: 2020/11/10 to 2020/11/20	

Bacterial Filtration Efficiency

TEST PROCEDURE

1. Inoculum suspension was prepared by transferring 18 hrs. aged culture of *Staphylococcus aureus* (ATCC 25923) in to a sterile spray bottle contained 100mL of sterilized distilled water to achieve minimum of 10^5 CFU/mL microbial population.
2. Prepared bacterial solution was sprayed once on to the medium of pre prepared standard plate count agar (SPCA) plates induplicate.
3. Face mask was held uppermost position of one of the prepared plates and the bacterial solution was sprayed once
4. Step 3 was repeated for another four masks.
5. All plates were incubated at 30 ± 1 °C for 72 ± 3 hours and observed the results.

Results & Interpretation

Test /Units	Test Results				
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Bacterial Filtration Efficiency (BFE) %	99.9	99.9	99.9	99.9	99.9

According to the results test item comprises 99.9 % of physical barrier property against tested bacterial culture



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Microbial Cleanliness

TEST RESULTS:

Test /Units	Method	Test Results				
		Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Microbial Cleanliness (burden) CFU/ Mask	ISO 11737-1: 2018	Less than 1	Less than 1	Less than 1	Less than 1	Less than 1

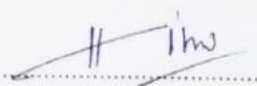
Differential pressure

Test /Units	Method	Test Results				
		Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Differential pressure Pa/ cm ²	BS – EN 14683 : 2019	24.0	24.0	24.0	24.0	24.0

Analysis was carried out by Mr. J. N. R. Jayarathna - Senior Research Technologist and Ms. M. Pradeeplal - Assistant Research Technologist.

ISO 11737-1: 2018- Sterilization of health care products- Microbiological methods. Part 1: Determination of a population of microorganisms on products.


Authorized Signatory


Authorized Signatory

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2020/11/23
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Put on the mask to check whether the front of the mask is intact. Press the mask against your chin. Cover the nose and mouth with mask, hang the ear belt on both ears. Adjust the ear loops to a more comfortable state. Use the index and middle fingers of both hands to press the nose clip from the center of the mask to both sides until it is close to the bridge of the nose. Press the mask with both hands as much as possible and perform positive and negative pressure tests to ensure the tightness of the mask.

- > 98% Bacterial Filtration
- Latex Free
- Hypoallergenic
- Without Glass fibres

Worn by user as a barrier to protect the face from bacteria, droplets, splashes of blood and other bodily fluids

Inner Layer	Polypropylene spunbond non-woven
Outer Layer	Polypropylene spunbond non-woven
Middle Layer	Polypropylene meltblown non-woven
Ear Loops	Elastic polyester spandex
Nose Clip	Plastic coated steel wire

- Hold the mask by the ear loops with the blue side facing outwards, and the nose clip facing upwards while placing both ear loops around both ears.
- Bend the nose clip to match the shape of the nose for a secure fit.
- Pull the mask over your chin to completely cover your nose and mouth.

Use under cool and dry conditions

MANUFACTURED BY

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Handwritten signature and date: 2020/11/23