

TEST REPORT

LAB NO. : 2101724/ 1

DATE: 14/06/2021

NAME OF CUSTOMER : M/S. HERRINGBONE & SUI PVT LTD.
ADDRESS : PLOT NO 1909, G.I.D.C, Phase 3
 Near Water Tank,
 Umbergaon VALSAD Gujarat, 396171
REFERENCE : Letter Ref. No. Nil dated May 20, 2021
 K. Attention: Mr. Rohan
DATE OF RECEIPT : 24/05/2021
DATE OF INITIATION : 08/06/2021
DATE OF COMPLETION : 14/06/2021
SAMPLE DESCRIPTION : MASK SAMPLE LABELED AS: -

Sr. No.	Description
1.	Pangolin





BIOTECH TESTING SERVICES

Name of Test:

Bacterial Filtration Efficiency (BFE) of Medical Face Mask Sample Materials, using a Biological Aerosol of Staphylococcus aureus by ASTM: F 2101 - 19

Test Organism Used:

Staphylococcus aureus – ATCC 6538

Inoculum Size:

2.60×10^8 CFU/ ml

Test Equipment:

Aerosol challenge Apparatus with Nebulizer assembly and Cascade impactor

Flow Rate of Cascade Impactor:

28.3 L / min

Aerosol Size:

3 microns \pm 0.5

Procedure:

Test sample was clamped between cascade impactor and an aerosol chamber at a distance of 15 cms. Bacterial aerosol of bacteria – Staphylococcus aureus were generated in the chamber using the nebulizer assembly. Aerosols of test organisms of size 3 microns were drawn through the test material using a vacuum attached to cascade impactor. Positive control samples collected aerosol with no test specimen to determine the upstream aerosol counts. The ratio of upstream to downstream was reported as Percentage Bacterial Filtration efficiency. Following results are the Average of three readings.

Results:

Sample Identification	Average Bacterial count	BFE (Percentage)
Pangolin	20	99.41
Positive Control	3.40×10^3	N. A.

INTERPRETATION:

Sample labeled as Pangolin has exhibited 99.41% Bacterial Filtration Efficiency when analysed as per ASTM: F 2101 - 19 standard.

For BIOTECH TESTING SERVICES




Dr Shilpa U. Nair
Quality Manager
(Authorized Signatory)

2101724/1
Page 2 of 2

- Samples are not drawn by the laboratory
- Result relate only to the samples tested
- This report shall not be reproduced except in full without prior permission of this laboratory