



THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION

CENTRE OF EXCELLENCE FOR MEDICAL TEXTILES
Physical, Chemical & Biological Testing Laboratories

(ISO/IEC 17025 NABL ACCREDITED)

13/37, Avinashi Road, Aerodrome Post, Coimbatore - 641 014, INDIA



Cert. Number:TC-6944

CoE - Microbiology Laboratory

Test Report No	: M2001077	ULR: TC694420700000775F	Report Date	: 02-06-2020
SITRA Ref No	: XXVII / M / E / 8842 / 20		No of Samples	: 1
Customer Ref No	: DT 13.05.2020		Received On	: 25-05-2020

To

Frabon India Tech Solutions

107,Abhijeet 1,Mithakhali Six Roads Circle

Mithakhali

Ahmedabad,Gujarat ,India

Pincode : 380009

Contact No(s) : 9265298784

Tested on: 30.05.2020 to 02.06.2020

Dear Sir / Madam,

This has reference to the sample(s) submitted by you for testing vide your Letter reference no : **DT 13.05.2020**.

The results pertaining to your sample(s) are enclosed herewith.

Encl : Bill [T-COE-2021-06800]

This is a computer generated report, hence does not require signature.

IMPORTANT

This report is strictly CONFIDENTIAL. Its use for publicity, arbitration or as evidence in legal disputes is forbidden. Reference of sample(s) given by the party. Samples are not drawn by the laboratory. The above results are related to the samples tested. The report shall not be reproduced except in full, without the written approval of the laboratory.



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Frabon India Tech Solutions		Ref : DT 13.05.2020

Test Name : Bacterial Filtration Efficiency - N95 and N99 Mask STANDARD TEST METHOD FOR EVALUATING THE BACTERIAL FILTRATION EFFICIENCY (BFE) OF MEDICAL FACE MASK MATERIALS, USING A BIOLOGICAL AEROSOL OF STAPHYLOCOCCUS AUREUS

Test Condition:

Test Organisms Used	: <i>Staphylococcus aureus</i> ATCC 6538
Inoculum size	: 5×10^5 CFU/mL
Media used	: Tryptic soya agar
Dilution medium used	: Peptone water
Incubation conditions	: 37°C for 24 h

Observation :

	M2001077-1 Described by the customer : Face Mask: N95 FFP2 Compatible NIOSH FACE MASK
Area of test specimen	Face mask 10 x 10 cm
Sample exposure side	Face side
Flow rate of aerosol	28.5 L / min
Mean particle size of challenging aerosol	3.0 ± 0.3 micron
Average plate count of positive control	1783
Average plate count of negative control	0
BFE of test specimen (%)	99.8
Result : : The sample showed 99.8 % bacterial filtration efficiency against <i>Staphylococcus aureus</i> ATCC 6538 when tested according to ASTM F 2101 test method. Disclaimer: The test performed (as above) is specific to surgical face mask. SITRA does not have facility for evaluating the performance of N 95 and N 99 respirator masks. Necessary care may be taken by the end user while interpreting the above results for the intended use.	

Authorized Signatory

- End of Report -