



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

CoE - Microbiology Laboratory

Test Report No	: M2000755	Report Date	: 26-05-2020
SITRA Ref No	: XXVII / M / E / 7717 / 20	No of Samples	: 1
Customer Ref No	: DT 16.05.2020	Received On	: 16-05-2020

To

Frabon India Tech Solutions

107, Abhijeet 1, Mithakhali Six Roads Circle

Mithakhali

Ahmedabad, Gujarat, India

Pincode : 380009

Contact No(s) : 9265298784

Tested on: 23/05/2020 - 25/05/2020

Dear Sir / Madam,

This has reference to the sample(s) submitted by you for testing vide your Letter reference no : **DT 16.05.2020**.

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

Encl : Bill [T-COE-2021-05653]

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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Ref : DT 16.05.2020

Test Name : Bacterial Filtration Efficiency - ASTM F 2101

Test Condition:

Test Organisms Used : *Staphylococcus aureus* 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 :

Test Parameter	M2000755-1
	Described by the customer : Fabric: YC 60GSM -SMMS - Fabric
Area of test specimen	Fabric 10 x 10 cm
Sample exposure side	Faceside
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	2743
Average plate count of negative control	0
BFE of test specimen (%)	99.5
Result : : The sample showed 99.5% bacterial filtration efficiency against <i>Staphylococcus aureus</i> ATCC 6538 when tested according to ASTM F 2101 test method.	

- End of Report -

Authorized Signatory