



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

TEST REPORT

XXVII / A / E / 13662 / 20

ULR: TC694420010000765F

To

Duraplus Healthcare

B 83,Naraina Industrial Area,
Phase 2

New Delhi (a),Delhi ,India

Pincode : 110028

Contact No(s) : 9810130119

Test Report No : **O2001009**

Sample Received On : **28-09-2020**

Inward Date : **28-09-2020**

Tested on : **27.09.2020 to 30.09.2020**

Report Date: **30-09-2020**

Dear Sir / Madam,

This has reference to the sample(s) submitted by you for testing vide your letter reference no :
LETTER DTD 26.09.2020.

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

Encl : Bill

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. Authenticity of the report may be verified from our website www.lab.sitraonline.org.



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Duraplus Healthcare

Ref : LETTER DTD 26.09.2020

ASTM F 2101 Bacterial filtration efficiency	O2001009-1 <u>Sample Particulars : 3 PLY MASK WITH MELTBLOWN FILTER</u>
Test Condition[s]	.
Test organisms used	<i>Staphylococcus aureus</i> ATCC 6538
Inoculum size	5 x 10 ⁵ CFU/mL
Media used	Tryptic soya agar
Dilution medium used	Peptone water
Incubation conditions	37 ⁰ C for 24 h
Results	.
Area of test specimen exposed	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	2217
Average plate count of negative control	0
BFE of test specimen (%)	99.9
The sample showed 99.9% bacterial filtration efficiency against <i>Staphylococcus aureus</i> ATCC 6538 when tested according to ASTM F 2101 test method.	

- End of Report -

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