



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

TEST REPORT

XXVII / A / E / / 20

To
Saral Design Solutions Private Limited
EL-11, Electronic Zone, MIDC,
Mahape,
Navi Mumbai, Maharashtra, India
Pincode : 400710
Contact No(s) : 9833182166

Test Report No : **O2000813**

Sample Received On : **02-09-2020**

Inward Date : **02-09-2020**

Report Date: **04-09-2020**

Dear Sir / Madam,

This has reference to the sample(s) submitted by you for testing vide your letter reference no :
LETTER DTD 28.08.2020.

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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Test Report No : O2000813

Report Date : 04-09-2020

Saral Design Solutions Private Limited

Ref : LETTER DTD 28.08.2020

Bacterial filtration efficiency IS 16288	O2000813-1 <u>Sample Particulars</u> : 3 PLY FACE MASKS SARAL3PLYAUG2020
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	Fabric 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	2332
Average plate count of negative control	0
BFE of test specimen (%)	98.5
The sample showed 98.5 % bacterial filtration efficiency against <i>Staphylococcus aureus</i> ATCC 6538 when tested according to IS 16288 test method.	

- End of Report -

Authorized Signatory
(Biological)