



THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION

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

(ISO/IEC 17025 NABL ACCREDITED)

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Cert. Number:TC-6944

Test Report No : O2000258

ULR: TC694420010000246F

Report Date : 16-07-2020

Rhysley Couture Pvt Ltd

Ref : DT 08.07.2020

ASTM F 2101 Bacterial filtration efficiency	O2000258-1 Sample Particulars : Face Mask
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	2162
Average plate count of negative control	0
BFE of test specimen (%)	99.8
The sample showed 99.8% 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.)