



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 No : O2000808

ULR: TC694420010000643P

Report Date : 04-09-2020

Govik Industries Private Limited

Ref : LETTER DTD 26.08.2020

ASTM F 2101 Bacterial filtration efficiency	O2000808-1 <u>Sample Particulars</u> : CoProteX 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	2332
Average plate count of negative control	0
BFE of test specimen (%)	98.2
The sample showed 98.2 % bacterial filtration efficiency against <i>Staphylococcus aureus</i> ATCC 6538 when tested according to ASTM F 2101 test method.	

Breathability - Differential pressure-IS 16289** <i>IS 16289:2014 Annexure C</i>	O2000808-1 <u>Sample Particulars</u> : CoProteX Mask
Pa/cm ²	33.95

Flammability-16 CFR Part-1610** <i>16 CFR Part-1610</i>	O2000808-1 <u>Sample Particulars</u> : CoProteX Mask
Flammability in Seconds	32.9
Auto Flame Chamber, 45deg inclined	.
Classification	Class 1
Class 1: Average burn time greater than or equal to 3.5 seconds Class 2: Average burn time is 4 to 7 seconds with base burn (Raised fiber surface) Class 3: Average burn time less than 3.5 seconds Samples resulting in a designation of class 1 or 2 meet the requirements of the standard if the sample is designated as class 3, Rapid and Intense burning	

Particulate Filtration Efficiency at 0.3Microns-A <i>ASTM F2299/F2299M-03 : 2017</i>	O2000808-1 <u>Sample Particulars</u> : CoProteX Mask
Percentage	91.92
Particulate Filtration Efficiency Test	
Test Side : Face Side (Outside) Area Tested : 33.17cm ² Particle Size : 0.3µm Laboratory Condition : 21°C, 50%RH	



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Splash Resistance-ASTM F1862 ASTM F1862/F1862M-2017	O2000808-1 Sample Particulars : CoProteX Mask
Result at 160mmHg	Pass

** Test(s) not covered under NABL Scope.

- End of Report -

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

GOVIK INDUSTRIES PRIVATE LIMITED