



TITSC LAB

TECHNICAL AND INNOVATIVE TEXTILE SOLUTION CENTRE

Division: Analytical Testing Laboratory

37A -62A PLS Nagar Phase I Chinniyampalayam post Coimbatore -641062,

TEST REPORT NO: FM/TITSC/0620/725

Date-05/08/2020



Viscose Fabric



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APPLICANT

M/S GRASIM INDUSTRIES LIMITED PULP & FIBRE INNOVATION CENTRE,
Plot No. 1 & 1- A/1, MIDC Taloja / Tal. Panvel,
Dist. Raigad 410208, India
9122 27405924 (D) + 91 8691029699,+91 9723550773
GST NO:27AAACG4464B1ZY
PAN NO. AAACG4464B
ATTN. MR. Vishvajit Juika

Sample Description : Viscose Fabric
[Marked as DM-610(100% AM Viscose fabric)]

Method of Application Details : 100% AM finished /coated viscose fabric

Testing time interval : (10 min, 1 hour, 2 hours, 2 hours & 25 mins, 4 hours, 12 hours,
24hours)

No. of samples received : 1 pieces (1 meterx1 meter)

Standard : ISO 18184 or similar method

Style : Square

Colour : Aqua Blue

TEST CONDUCTED: AS PER THE REQUEST OF THE APPLICANT. FOR FURTHER DETAILS PLEASE REFER TO
ENCLOSED PAGE(S)

AUTHORISED BY
FOR TECHNICAL & INNOVATIVE AND TEXTILE CENTER(TITSC)

A.K. Sinha

(A.K SINHA)
LAB MANAGER

TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

Antiviral test (ISO 18184)

Name of the test

Anti-viral activities of the Fabric Surface

Name of test protocol:

ISO 18184 or similar method

Test Organisms used for evaluating Antiviral activity:

"SARS CoV-2"/Covid-19

Test conditions:

Contact time : (10 min, 1 hour, 2 hours, 2 hours & 25 mins, 4 hours, 12 hours, 24 hours)

Incubation Temperature: 37^o C for Bacteria

Media and Reagent : Agar media

Test Report -Anti viral Activities of Fabric surface

Antiviral activity of the surface SARS COVID-2 (Covid-19)	CFU control	CFU sample	Log Reduction / Difference	Percentage of Reduction of virus activities	Viral Activities (Qualitative)
Standard	6.35x10 ⁵				
0 min after application	6.35x10 ⁵	5.56x10 ⁵	0.05	12.34%	Viral activity found
10 mins	6.35x10 ⁵	3.95x10 ⁵	0.20	37.68%	Viral activity found
1 hours	6.35x10 ⁵	2.00x10 ⁵	0.50	68.42%	Viral activity found
2 hours	6.35x10 ⁵	6.41x10 ⁴	0.99	89.89%	Viral activity found
2 hours & 25 mins	6.84x10 ⁵	1.36x10 ²	3.70	99.98%	No Viral activity found
4 hours	6.84x10 ⁵	6.80x10 ¹	4.00	99.99%	No Viral activity found
12 hours	6.84x10 ⁵	-	5.83	100%	No Viral activity found
24 hours	6.84x10 ⁵	-	5.83	100%	No Viral activity found

Conclusion:

It is noted that no viral activities are found after 2 hours & 25 mins i.e. all virus SARS-CoV-2 (COVID-19) killed /Neutralized. The Viscose Fabric material passes the test after 2 hours & 25 mins on Viscose Fabric [Marked as DM-610(100% AM Viscose fabric)] tested as per given specification.

Note:

- (1) Results related with only sample submitted to TITSC test lab.
- (2) Sample preserve for 1 month from the date of report issued.
- (3) This report only represents the sample tested and not for legal action.

A.K. Sinha
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