



TITSC Lab

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TECHNICAL AND INNOVATIVE TEXTILE SOLUTION CENTRE

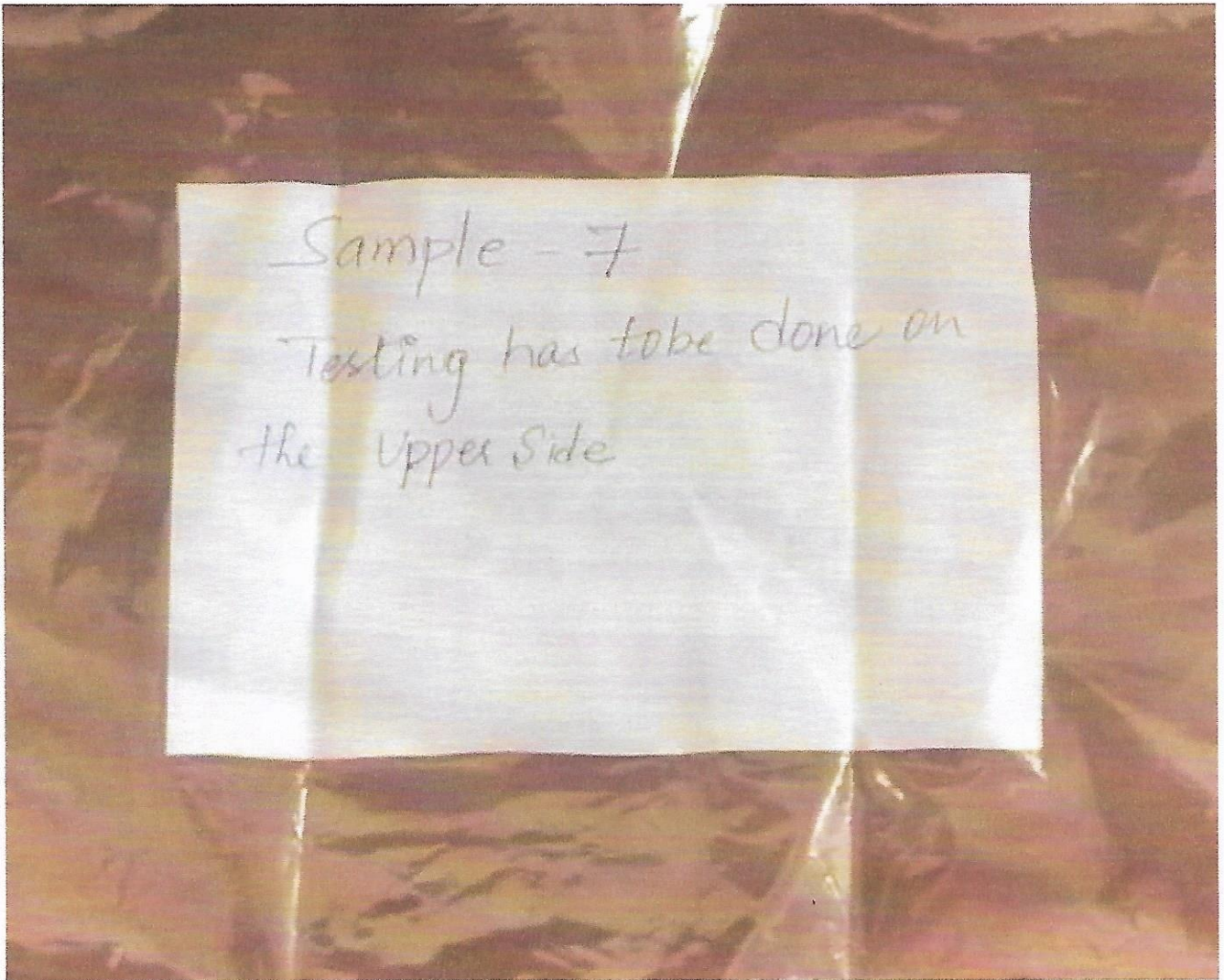
Division: Analytical Testing Laboratory

Under MSME Register, Govt of India

No.231, Motilal gupta road, Kolkata – 700008

TEST REPORT NO: FM/TITSC/1020/ 619

Date-29/07/2020



37A -62A PLS Nagar Phase I Chinniyampalayam post Coimbatore – 641062, Tamil nadu, PH-9677444148, E-mail: titsconsultancy@gmail.com, techtex@titsc.co.in, website: www.titsc.com

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37A, PLS Nagar Phase 1,
Chinniyampalayam,
Coimbatore, Tamil Nadu 641062
GSTIN: 32ACTPT9033A



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APPLICANT:

ADNANO TECHNOLOGIES PRIVATE LIMITED

#31L, 2nd Cross, KIADB
Machenahalli Industrial Area
Shimoga-577222
Karnataka | India
Tel: +91(0) 8182 246029
Fax: +91(0) 8182246075
GSTIN -29AANCA6096L1ZU

Sample Description : Antiviral Activity Test of Polymer sheet
Method of Application Details : Polymer Sheet (powders converted into chips then chips converted into sheet)
No. of samples received : 1 Polymer Sheet
Testing time interval : (10 mins,30 mins,1 hour,2 hours & 54 mins,4 hours,5 hours)
Standard : ISO 21702 (or similar method)
Letter Dated : 22/07/2020
Style : Sheet
Colour : Transparent

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

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GSTIN: 32ACTBT000301



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TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1) Antiviral test (ISO 21702) or Similar method

Name of the test

Anti-viral activities of the Polymer Sheet

Name of test protocol:

ISO 21702 or similar method

Test Organisms used for evaluating Anti-viral activity:

1.SARS COVID -2 (COVID -19)

Test conditions:

Contact time : (10 mins,30 mins,1 hour,2 hours & 54 mins,4 hours,5 hours)

Incubation Temperature: 37^o C for Virus

Media and Reagent : Agar media

Test Report -Anti-Viral Activities of Polymer Sheet

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)
10 mins	6.72x10 ⁵	4.34x10 ⁵	0.18	35.41%	Viral activity found
30 min		2.08x10 ⁵	0.50	69.04%	Viral activity found
1 hour		0.68x10 ⁵	0.99	89.85%	Viral activity found
2 hours & 54 mins	7.33x10 ⁵	0.73x10 ²	4.00	99.99%	No Viral activity found
4 hours		0.73x10 ²	4.00	99.99%	No Viral activity found
5 hours		1	5.86	100%	No viral activity found

Conclusion :

It is noted that no viral activities are found after 2 hours & 54 mins i.e all virus SARS COVID-2 (COVID-19) killed /Neutralized Polymer Sheet Used to estimate Antiviral Activity Passes the test after 2 hours & 54 mins 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.
- (4) Some of the test and procurement of lab materials from Third Party Lab.

A.K. Sinha

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