



TITSC Lab

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TECHNICAL AND INNOVATIVE TEXTILE SOLUTION CENTRE

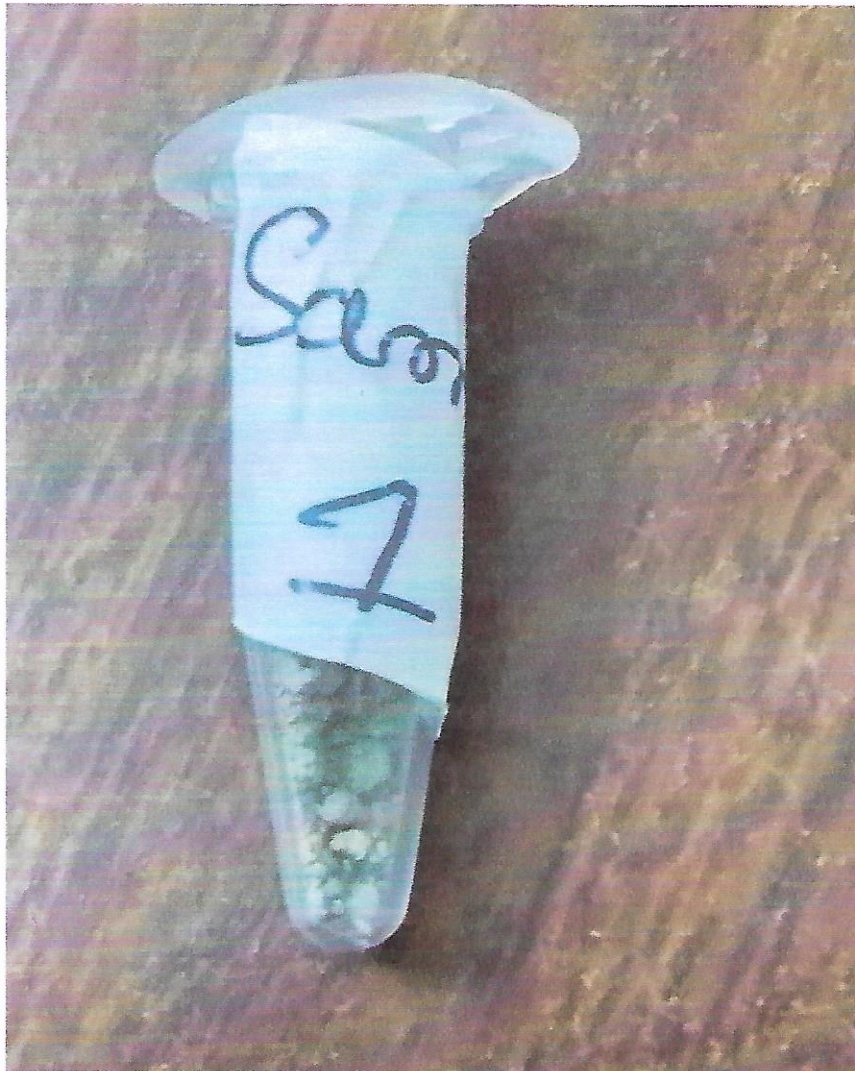
Division: Analytical Testing Laboratory

Under MSME Register, Govt of India

No.231, Motilal gupta road, Kolkata – 700008

TEST REPORT NO: FM/TITSC/1020/ 710

Date 03/08/2020



TECHNICAL & INNOVATIVE TEXTILE SOLUTION CENTER  
37A, PLS Nagar Phase 1,  
Chinnampalayam,  
Coimbatore, Tamil Nadu 641062  
GSTIN: 33ACTPT9903G1Z2



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**APPLICANT:**

**AD NANO 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 Powder  
**Method of Application Details** : Direct Powder form Used to estimate Antiviral Activity  
**No. of samples received** : 1 Bottle powder form (sample-1)  
**Testing time interval** : (5 mins,10 mins,20 mins 50 sec,45 mins ,2 hours,4 hours)  
**Standard** : ISO 21702 (or similar method)  
**Style** : Bottle  
**Colour** : Gray colour approximately

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)

*Ak Sinha*

(A.K SINHA)  
LAB MANAGER

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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 Powder

### 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 : (5 mins,10 mins,20 mins 50 sec,45 mins ,2 hours,4 hours)

Incubation Temperature: 37° C for Virus

Media and Reagent : Agar media

### Test Report -Anti-Viral Activities of Powder

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)
5 mins	6.18x10 <sup>5</sup>	3.62x10 <sup>5</sup>	0.23	41.36%	Viral activity found
10 min	6.18x10 <sup>5</sup>	1.10x10 <sup>5</sup>	0.74	82.17%	Viral activity found
20 mins 50 sec	6.34x10 <sup>5</sup>	1.26x10 <sup>2</sup>	3.70	99.98%	No Viral activity found
45 mins	6.34x10 <sup>5</sup>	6.30x10 <sup>1</sup>	4.00	99.99%	No Viral activity found
2 hours	6.34x10 <sup>5</sup>	6.30x10 <sup>1</sup>	4.00	99.99%	No Viral activity found
4 hours	6.34x10 <sup>5</sup>	1	5.80	100%	No viral activity found

### Conclusion:

It is noted that no viral activities are found after 20 mins & 50 sec i.e. all virus SARS COVID-2 (Covid -19) killed /Neutralized Direct powder used to estimate Antiviral Activity passes the test after 20 mins & 50 sec 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 performed from Third Party Lab.

*A.K. Sinha*  
(A.K. Sinha)

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