

## Test Report SARS-CoV-2 (COVID-19) anti-virus as per ISO 18184-2019

### TEST RESULTS

Table 3. Modified ISO 18184 –2019 testing of Four sample against SARS-CoV-2 (COVID-19) at One contact Time of our sample.

Test Virus	Contact Time	Sample ID	Virus Titer (TCID <sub>50</sub> per Carrier)	Mean Virust Titer (TCID <sub>50</sub> per Carrier)	Mean Log10 Virus Titer (TCID <sub>50</sub> per Carrier)	Log <sub>10</sub> Reduction	Percent Reduction
SARS-CoV-2 (COVID-19)	Time Zero	Control sample	2.37E+06	3.71E+06	6.96	N.A.	N.A.
			7.34E+06				
			1.43E+06				
	30 Min	Control sample	7.30E+05	4.75E+05	5.93	4.85	99.99% Kill Rate : 10 second(99%)
			4.45E+05				
			2.51E+05				
30 Min	Rigid Sample (Test)	3.23E+03	3.26E+05	3.86	2.98	99.96% Kill Rate : 13 second(99%)	
		3.22E+03					
		3.35E+03					
SARS-CoV-2 (COVID-19)	30 Min	After 20 Wash Sample	3.23E+03 3.26E+03	3.24E+05	3.48	2.66	99.53% Kill Rate : 15 second(99%)

Remark :-

- \* TCID<sub>50</sub> Tissue Culture Infectivity Dose at the 50% Endpoint
- \* Log<sub>10</sub> and Percent Reductions for Control sample at 30Min calculated relative to Control sample immediately upon inoculation (Time Zero)
- \* Log<sub>10</sub> and Percent Reduction for the three Test sample at 30 Min calculated relative to Control sample mean viral titer at 30 Min.
- \* Sample Size : Diameter = 4.80 +/- 0.1cm. • Pre Incubation C : Sarbouraud Glucose Agar. • Pre Incubation D : Sarbouraud Glucose Broth
- \* Dilute Agent For Inoculation : Physiologic Salt Solution. • Incubation: 30 Deg C. • Specimen Preparation : Incubation 15 Min @ 134 Deg C

\*\*End of Report\*\*

## Test Report Influenza A virus H1N1 anti-virus as per ISO 18184

### ANALYSIS AND TEST RESULT

• Antiviral Finishes :

- Assessment of Antiviral Finishes of given sample-as per Test Method : ISO 18184:2014
- Sample Swatches In Contact With Individual Test Cultures For 24Hr Showed The Following Results:

#### •Virus : Influenza A virus (H1N1) :

1. Sample Nam : # Fabric Sample : Rigid Sample.

1.1. Test Result :

Virus	No.	The logarithm of infectivity tire value immediate after inoculation of the reference specimen (lgTCID <sub>50</sub> /bottle)	The logarithm of infectivity tire value after 24h contacting with the reference specimen (lgTCID <sub>50</sub> /bottle)	The logarithm of infectivity tire value after 24h contacting with the reference specimen (lgTCID <sub>50</sub> /bottle)
H1N1 Influenza A virus	1	7.46	7.11	3.58
	2	7.52	7.10	3.56
	3	7.49	7.14	3.57
lgTCIF <sub>50</sub> /bottle Average		7.49	7.11	3.57
Logarithm of antiviral activity			3.54	
Antiviral activity rate (%)			99.9942	

Note : Mv : the antiviral activity value

Small effect standered : 3.0> Antiviral activity value (Mv) ≥ 2.0

Full effect standered : Antiviral activity value (Mv) ≥ 3.0

INTERPRETATION:

Above Samples Has Shown 99.9942 For rigid sample - Anti Viral activity, Towards H1N1 Virus When Analysed As Per ISO 18184:2014 Test Method.

## Test Report anti- bacterial as per AATCC100

Test Organism	Particulars	Microbial Counts	Results	
Escherichia coli (ATCC 10536)	CONTROL - Test organism (Escherichia coli)	Counts in cfu/ml	2.01 x 10 <sup>8</sup>	
		Log Values	8.2953	
	TEST-Test organism (Escherichia coli) + . Test sample	Counts in cfu/ml	1.27 x 10 <sup>3</sup>	
		Log Values	3.101	
	Log Reduction		5.1953	
	Percentage Reduction		99.9431	

