

TEST REPORT

Table – 2 MS2 PHAGE ATCC 15597B1 reduction : Installation of Coronaguard on a counter

Type of Test	Microbial counts Before treatment	Microbial counts After Treatment	% Reduction
In the same plane of Coronaguard, Acrylic sheets smeared with MS2 phage culture are kept at 12 feet distance from the Coronaguard.			
30 minutes duration	9×10^6 pfu/swab	2.11×10^3 pfu/swab	99.976%
1 hr duration	9×10^6 pfu/swab	4.8×10^2 cfu/swab	99.994%
2 hr duration	5×10^5 pfu/swab	3.2×10^2 cfu/swab	99.936%

Above test data reveal that the Coronaguard has capability of decontaminating MS2 phage (Bacteriophage – a surrogate Virus)

Next tests:

i) Increased exposure time of 4 hr with MS2 phage keeping Coronaguard and cultures in 12 feet distance
30min, 1hr, 2hr, 4hr sampling

ii) Coronaguard kept at 7 feet height from Floor & MS2 culture at shorter and farthest distances (angles)
30min, 1hr, 2hr, 4hr sampling

Dr S.MURALIDHARA RAO
Head – Laboratory

Report No: AWRCL/17618A/20-21, Date: 29.08.2020, Page 2 of 2

00-----End of the Test Report -----00

RECOGNIZED BY IAPMO R&T – USA

We undertake analytical job for water, food, biocidal resins, detergents & sanitizers and soil. We carry out performance evaluation of drinking water treatment units as per NSF/ANSI specifications. Based on performance we can arrange for certification from IAPMO – USA

Note:

1. The results pertain only to the tested samples and applicable parameters.
2. Samples will be disposed after 15 days from the issue of test certificate unless otherwise specified, in case of bacteriological tests, the samples will be disposed after 7 days itself from the date of issuing the certificate.
3. This report is not to be reproduced either wholly or in parts and cannot be used as evidence in the court of Law and should not be used in any advertising media without prior written permission.
4. In case, any recommendation of contents of this certificate is required please contact our office.

TEST REPORT – (interim)

Report No: AWRTCL/17618A/20-21

Date: 29.08.2020

CUSTOMER DETAILS	SAMPLE DETAILS	TEST DETAILS
Name & Address : Kind Attn: The Manager M/s. Eureka Forbes Limited, R&D Centre Bangalore	Sample received: 13.08.2020	Method: As agreed between the Testing Laboratory and the customer
	Sample code no:- AWRTCL/17618A /20-21	
	Sample Description: Coronaguard	
	Sample Quantity for Testing: 1 No	
	Submitted by : M/s. Eureka Forbes Limited, R&D Centre	
	Date of Analysis started : 17.08.2020	
	Date of Analysis Completed: 26.08.2020	
	Subcontract : Not applicable	
	Sample condition when received : Intact	

TEST DATA OF CORONAGUARD IN DECONTAMINATION OF DIFFERENT MICROORGANISMS ON SURFACES

Table – 1 E.coli MTCC 68 reduction : Installation of Coronaguard at 7 feet from the floor

#	Test Details	Microbial counts Before Treatment	Microbial counts After Treatment		% Reduction
			1 hr exposure Short distance	1 hr exposure Farthest distance	
1	Test organism was taken in petri plates at two different distances: In the same line (short distance) below the Coronaguard in the farthest distance 12 feet.	5 x 10 ⁶ cfu/ swab	TNTC / 0.1 ml = TNTC/swab	TNTC/0.1 ml= TNTC/swab	---
2	Test organism smeared on Acrylic sheets (planks) : At 1 hr	4 x 10 ⁶ cfu/swab	1hr exposure Short distance TNTC / 0.1 ml = TNTC/swab	1 hr exposure Farthest distance TNTC/0.1 ml= TNTC/swab	---
	Test organism smeared on Acrylic sheets : At 2 hr	3 x 10 ⁵ cfu/swab	2 hr exposure : Short distance TNTC / 0.1 ml = TNTC/swab	2 hr exposure : Farthest distance TNTC/0.1 ml= TNTC/swab	---

Above test data reveal that there was no reduction in E.coli counts due to exposure to Coronaguard for 1 hr & 2 hr duration also.

Next test: Coronaguard and E.coli culture in the same plane and Shorter and farthest distance in 1 hr and 2 hr exposure.

Report No: AWRTCL/17618A/20-21, Date: 29.08.2020, Page 1 of 2

RECOGNIZED BY IAPMO R&T – USA

We under take analytical job for water, food, biocidal resins, detergents & sanitizers and soil. We carry out performance evaluation of drinking water treatment units as per NSF/ANSI specifications. Based on performance we can arrange for certification from IAPMO – USA

Note:

- The results pertain only to the tested samples and applicable parameters.
- Samples will be disposed after 15 days from the issue of test certificate unless otherwise specified, in case of bacteriological tests, the samples will be disposed after 7 days itself from the date of issuing the certificate.
- This report is not to be reproduced either wholly or in parts and cannot be used as evidence in the court of Law and should not be used in any advertising media without prior written permission.
- In case, any recommendation of contents of this certificate is required please contact our office.