



TEST REPORT

Issued to:	LAB REFERENCE NO:	20072211364
B-127, Phase-II, Noida-201305	Issue Date	20/07/2020
	Report Issue	25/07/20

Sample Particulars: UV Chamber

Sample Registration Date	22/07/2020
Analysis Starting Date	22/07/2020
Analysis Completion Date	24/07/2020
Name Of The Product	UV Chamber
Quantity Received	5 Nos
Tests Required	Microbiological
Sampling Done By	Pratimatic Automation

Sr. No.	Test Parameter	Result Culture	Result 30 sec	Result 1 Min	Result 1.5 Min	Result 3 Min	Method of Testing
1	E. coli (NCIM 2065)	2.4 X 10 ⁴	<1	<1	<1	<1	ISO:16649(P-2):2001

FSSAI/ NABL APPROVED MICROBIOLOGICAL TEST



6 MONTHS
WARRANTY OF LAMP

10 YEAR
WARRANTY ON BOX

Technical Features :

- Microcontroller Sensor Based System
- Door Sensor Protection
- LCD for Display
- Push button to set timer.
- Buzzer
- UVC Light Control Through Microcontroller
- Easy Lamp Replacement, within minutes.
- Easy access for cleaning
- Completely Stainless Steel

UVC DISINFECTION CHAMBER

Application Areas :

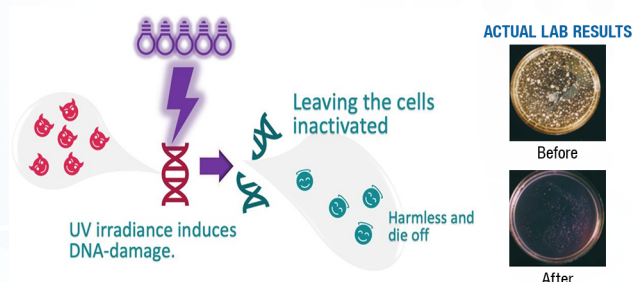
- Decontamination of Groceries/ Vegetables/ Fruits/
- Mobiles/ Laptops/ Keys Etc
- For Homes Offices/ Shops Etc
- Decontamination of PPE Such as Mask, N 95 Mask, Goggles/ Face Shields/ Decontaminated PPE Can Be Reused

LAMP DATA			
Irradiance	105 J/m ²		
Nominal Lamp Power	8w		
Lamp Type	Low Pressure Standard, Ozone Free		
Lamp Tube Materia	Quartz Glass		
Lamp Quantity	2		
Typical Lamp Lifetime	6000 hrs		
GEOMETRICAL DATA			
Model	DC-30	DC-60	DC-90
Length	375mm	417mm	510mm
Depth	350mm	365mm	450mm
Height	300mm	410mm	533mm
POWER			
Total Power	50W		
Voltage	230 V Single Phase		
Frequency	50/60 Hz		

Why does Ultra-violet Disinfect?

Ultraviolet (UV) light kills cells by damaging their DNA. It is possible to destroy more than 99.99% of all pathogens within seconds. This method is inexpensive, highly efficient and reliable without using chemicals or generating harmful side effects.

How does UV Disinfection Work?



Science Behind Killing Virus

- UV Dose Required = 60 J/m²
(Approx to Kill COVID-19)
- UV Terminator Dose = 106 J/m² (Double)



Benefits :

- Effective for all types of micro-organisms, including bacteria, viruses, fungi and protozoa
- No disinfection by-products (DBPs) formed
- Low capital and operating cost
- Easy to operate and maintain
- Safe and environmentally friendly
- HACCP compliance UV-C and how it works
- Microbiological Principles

UV-C Surface Treatment :

Surfaces can be reliably disinfected by means of ultra violet light in the UVC region in a matter of seconds. The benefits of using UV as opposed to other methods, such as thermal or chemical disinfection.