



NON-UV DISINFECTION LIGHTS

GUARDING HOMES,
OFFICES, HOSPITALS,
SCHOOLS, INDUSTRIES
& MORE

Come.. Join hands with us in
destroying every type of Virus,
Bacteria, Fungus including the
most deadly CORONA Virus.

WHO WE ARE



RAYPURE NonUV Disinfection
Lights are produced by DPIIT
recognised STARTUP-INDIA
Enterprise, under MAKE-IN-
INDIA initiative.




NEED OF THE HOUR PRODUCT

Pandemic is becoming
Endemic and we need a
Continuous Disinfection
to keep safe from emerging
Microbial Mutants. 



VALIDATED BY CCMB

RAYPURE is India's only
CCMB validated Lighting with
Disinfection that's Non-UV &
Safe-to-Humans. 



TARGET SEGMENT

Corporate Offices
Hospitals & Clinics,
Restaurants & Hotels,
Schools & Colleges,
Homes 



Raypure MEDTECH Pvt Ltd
33, Sindhi Colony, Hyd 03



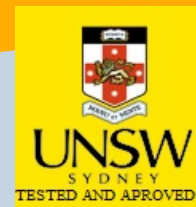
www.raypure.in



sales@raypure.in



About us



KWALITY-LEDCHIP-RAYPURE

Raypure is the first & only Non-UV Safe-to-Humans Indoor Anti-COVID Anti-Microbial Lights that DISINFECTS Bacteria, Fungus and Virus including COVID virus as well, as validated by CCMB. As per CCMB Test Reports, the Raypure kills 95% Sars-CoV2 Virus in just 60 mins.

RayPure is a subsidiary of LEDchip Indus P Ltd which are part of Kwaliti Group. Raypure is produced by LEDchip Indus P Ltd, the pioneer in LED production in India since three decades headed by Scientist Engineer Gold Medalist from IISc.

We developed a DISRUPTIVE TECH product 'Raypure' that DISINFECTS round the clock, even as it LIGHTS UP the INDOORS. Being Safe-to-Humans Non-UV, there is NO NEED TO EVACUATE the occupants.

Protect your Senior Parents in Homes, your Spouses in Offices, your young children in Schools, Health Warriors in Hospital OT. Protect immunity compromised patients from Hospital in ICUs.

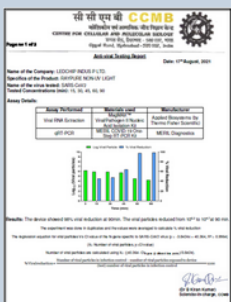
Raypure is ideal harmless disinfection method for Pharma CleanRooms & crowded locations like Malls, Cafeterias, Metro Coaches & Elevators etc.

Use of Raypure for decontamination of air, alleviates the need for evacuation of rooms either to protect occupants from UV rays or from toxic chemicals found in sanitizers & fumigation.

In Raypure the Virucidal & Germicidal Power technology is Blended with the illumination lights.

Raypure is tested & validated for effectiveness direct on live SARS-CoV-2 by ICMR-CCMB. 12 samples showed 50% reduction in just 15 mins & 95% in just 60 minutes.

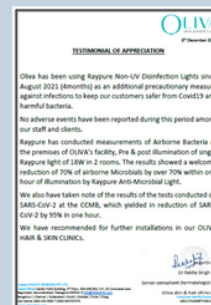
Raypure is a smart invention for PROTECTING YOUR LOVED ONES 24-7 all through the year. We have the competence & technological to obtain demonstrable Anti-viral & Anti-Fungal control - even for MRSA/ Hospital Acquired Infections - thereby protect the Hospital from customers claims / Liabilities.



CCMB TESTED PRODUCT KILLS 90% OF COVID VIRUS IN 60MINS



COMPLETELY HUMASAFE



TESTED BY LEADING DERMATOLOGIST



ISO9000-2015



CCMB



GeM



BIS



REGISTERED



सी सी एम बी **CCMB**
 कोशिकीय एवं आणविक जीव विज्ञान केन्द्र
 CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY
 उप्पल रोड, हैदराबाद - 500 007, भारत
 Uppal Road, Hyderabad - 500 007, India



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Anti-viral Testing Report

Date: 17th August, 2021

Name of the Company: LEDCHIP INDUS P LTD.

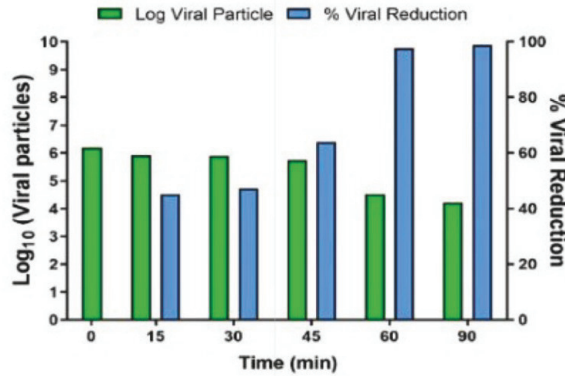
Specifics of the Product: RAYPURE NON-UV LIGHT

Name of the virus tested: SARS-CoV2

Tested Concentrations (min): 15, 30, 45, 60, 90

Assay Details:

Assay Performed	Materials used	Manufacturer
Viral RNA Extraction	MagMAX™ Viral/Pathogen II Nucleic Acid Isolation Kit	Applied Biosystems (by Thermo Fisher Scientific)
qRT-PCR	MERIL COVID-19 One- Step RT-PCR Kit	MERIL Diagnostics



Results: The device showed 98% viral reduction at 90min. The viral particles reduced from $10^{6.2}$ to $10^{4.7}$ at 90 min.

The experiment was done in duplicates and the values were averaged to calculate % viral reduction

The regression equation for viral particles Vs Ct value of the N-gene specific to SARS-CoV2 virus ($y = -3.8424x + 40.364$, $R^2 = 0.9964$)

(X= Number of viral particles, y=Ct value)

Number of viral particles are calculated using $X = ((40.364 - Ct_{N-gene} @ \text{different time points}) / 3.8424)$.

% Viral reduction = $\frac{\text{Number of viral particles in infection control} - \text{number of viral particles exposed to device}}{(\text{test}) \text{ number of viral particles in infection control}} \times 100$



(Dr B Kiran Kumar)
 Scientist-in-charge, CCMB



Dr. C. J. Panchal
Associate Professor

APPLIED PHYSICS DEPARTMENT

FACULTY OF TECHNOLOGY AND ENGINEERING
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
VADODARA – 390 001. GUJARAT, INDIA.

DST-FIST & UGC-DRS Sponsored Department

14th October 2021

Certificate of Radiational Safety of Raypure Disinfection Devices

PRODUCT TESTED

We have been tasked to examine & test the Raypure Non-UV Continuous Disinfection System LED LIGHT, that are employed in Bactericidal & Virucidal application, and are specified to have no radiation that are harmful for human beings.

RESULTS & CONCLUSION

We have examined the Spectral Power Distribution of the Raypure Disinfection device.

We hereby certify that the light emission of Raypure Disinfection device is limited to the range that is within the 'Visible' region of spectrum. Raypure's emissions do not contain any harmful radiation and Raypure emits neither the Ultraviolet UVA, UVB, UVC nor the Infra-Red IR.

Further certified that above emissions of the Raypure light **have no scientifically established adverse effects on humans**, as per the current scientific knowledge.



Dr. C. J. Panchal



UNSW SYDNEY AUSTRALIA Optometry and Vision Science

ACTIVITY OF C-GUARD NON-UV LIGHTS AGAINST CORONAVIRUS

Figure 2: Formula to calculate anti-viral activity

RESULTS

Sample	N	Viral Counts (pfu/ml)	Reduction (%)
Test (15 minutes)	4	26833 ± 8356	36%
Test (60 minutes)	4	20083 ± 6898	52%
Control (60 minutes)	4	41750 ± 7805	-

CONCLUSION

The C-Guard lights can reduce the number of viable coronavirus particles by more than 30% after 15 minutes and by more than 50% after 60 minutes.

Ajay Kumar Vijay

Research Fellow
School of Optometry & Vision Science
UNSW Sydney

TESTIMONIAL OF APPRECIATION

Oliva has been using Raypure Non-UV Disinfection Lights since August 2021 (4months) as an additional precautionary measure against infections to keep our customers safer from Covid19 and harmful bacteria.

No adverse events have been reported during this period among our staff and clients.

Raypure has conducted measurements of Airborne Bacteria at the premises of OLIVA's facility, Pre & post illumination of single Raypure light of 18W in 2 rooms. The results showed a welcome reduction of 70% of airborne Microbials by over 70% within one hour of illumination by Raypure Anti-Microbial Light.

We also have taken note of the results of the tests conducted on SARS-CoV-2 at the CCMB, which yielded in reduction of SARS-CoV-2 by 95% in one hour.

We have recommended for further installations in our OLIVA HAIR & SKIN CLINICS.

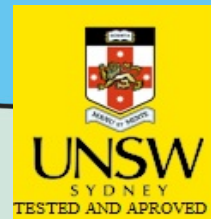


Regards
Dr Rekha Singh

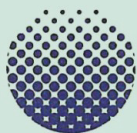
Senior consultant Dermatologist

Oliva skin & hair clinics

Corporate Identity Number
U8511TG2008PTC061208



raypure



HORIZON
Biolabs Pvt. Ltd.

True

Lab Address: Plot No: 61/1, Sy.No:374, CIE, Gandhinagar
Expansion, Balanagar, Quthbullapur Mandal, Medchal-
Malkajgiri Dist., Hyderabad, Telangana -500037. India
Regd. Office: Flat No. 312, B-Block, ARK Towers,
Mayurinagar, Miyapur, Hyderabad, Telangana-500049.

E-Mail: admin@horizonbiolabs.com; website: www.horizonbiolabs.com, **Mobile:** 9100006593,9100006591

Approved Testing Laboratory by Drugs Control Administration and Central Drugs Standard Control Organization (Drug Lic. No.: 3/ML/TS/2020/AL/G)

Certificate of Analysis

Form 39 see Rule 150-E (f) (Under the Drugs & Cosmetics Act, 1940 of the Drugs and Cosmetics Rules 1945 there under)		
Name and address of the Ledchip Indus Pvt. Ltd. 29 A&B, Electronic Complex, Rd Number 11, Hyderabad,, Kushaiguda Industrial Area, Kushaiguda, Secunderabad, Telangana 500062	Registration : HBL/180521/014 Customer Ref : NA Receipt Date : 18/05/2021 Date of Analysis : 18/05/2021 Date of Issue : 20/05/2021	
Sample Particulars		
Sample : Microbial Load Measurements in Air for RayPure Batch : NA A.R.No : NA Batch Size : NA Supplied : NA Sampled : NA Test : TAMC Test : As per customer Specification	Mfg. : NA Exp. Date : NA Re-Test Dt. : NA Mfg. : NA Mfg. Lic. : NA Sampling : NA Sample : 04 Plates Sample : SS Canister	
S.No	Test	Results & UOM
		Specification
B & C indicate position of plates kept at 6 ft and 12 ft respectively from the source in a closed room of 10ftx12ftx10ft.		
	B-Table	
	Total Aerobic Microbial Count	32 cfu/plate
		Initial condition before using RayPure
	C-Floor	
	Total Aerobic Microbial Count	12 cfu/plate
		Initial condition before using RayPure
	B1-Table	
	Total Aerobic Microbial Count	07 cfu/plate
		Exposed for 30 min after using RayPure for 1 hour
	C1-Table	
	Total Aerobic Microbial Count	06 cfu/plate
		Exposed for 30 min after using RayPure for 1 hour

THE MICROBIAL LOAD IN THE ROOM ENVIRONMENT IS BROUGHT DOWN BY 80% WITHIN JUST 1 HOUR

LEDCHIP INDUS P LTD

RAYPURE CONTINUOUS DISINFECTION SYSTEMS

798123551/9000081171, raypurecds@gmail.com www.raypure.in

PROTECT YOUR FAMILY, STAFF, SCHOOL, CHILDREN & CUSTOMERS.

LIGHT BHI, GERMICIDAL BHI & SAFE BHI

RDW-WALL FITTING	Model	Wattage	Outer	Cutout	Height / Thick	Room size
	RDW-L3035-18W	18W	300x35mm	-	35mm	16' x 12'
	RDL-12050-36W	36W	1180X35mm	-	35mm	20'X25'
RDC-RDS CONCEALED-SURFACE FITTING	RDC-R120-6W RDC-Q120-6W	6W	120mm	93mm	53mm Concealed	8' x 8'
	RDC-R150-12W RDC-Q150-12W	12W	150mm	125mm	53mm Concealed	12' x 12'
	RDC-R170-18W RDC-Q170-18W	18W	170mm	145mm	53mm Concealed	16' x 12'
	RDC-R200-24W RDC-Q200-24W	24W	200mm	175mm	53mm Concealed	16' x 16'
	RDC-Q242-30W	30W	242mm	215mm	53mm Concealed	16' x 20'
	RDS-R93-6W	6W	93mm	Surface-Rfit	57mm Surface	8' x 8'
	RDS-R123-12W	12W	123mm	Surface-Rfit	57mm Surface	12' x 12'
	RDS-Q170-18W	18W	143mm	Surface-Rfit	57mm Surface	16' x 12'
	RDS-Q242-30W	30W	242mm	Surface-fit	57mm Surface	16'X20'
	RDPC-Q300-24W	24W	300mm	285mm	66mm Concealed	16'X16'
	RDPC-Q63-24W	24W	600X300mm		68mm Concealed	16'X16'
	RDPC-Q600-48W	48W	600mm	580mm	72mm Concealed Surface	20' x 25'

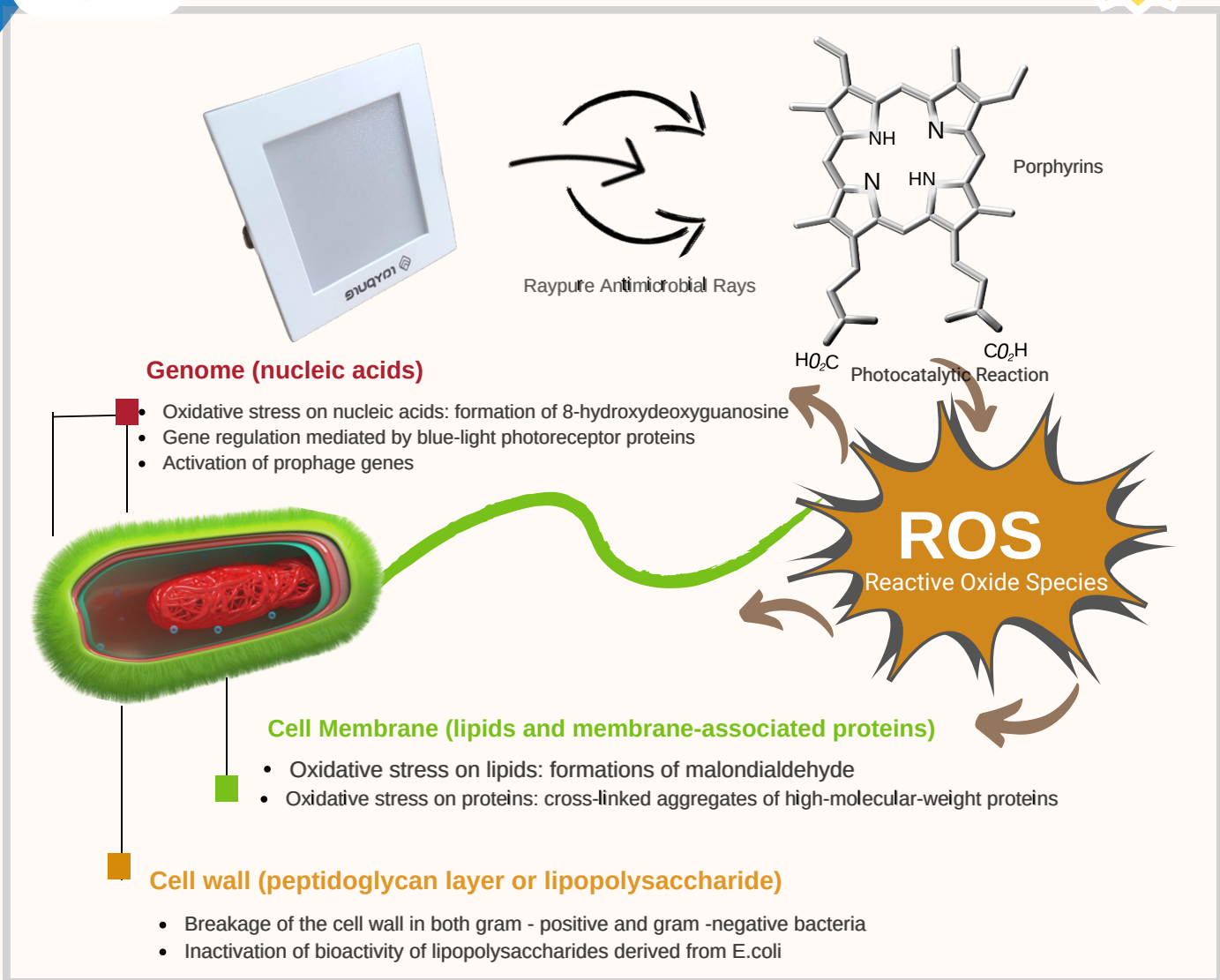
RAYPURE CONTINUOUS DISINFECTION SYSTEMS 798123551/9000081171, raypurecds@gmail.com www.raypure.in

RAYPURE - CONTINUOUS DISINFECTION SYSTEMS

RAYPURE – DISINFECTION at its SIMPLEST

99% Effectiveness for SARS-CoV-2 & H.A.I Pathogens LETHAL for VIRUS – SAFE for HUMANS

Replaces Light Fixtures in ICUs, OTs, Lifts, Cafeterias, Offices & Homes.



- Raypure is an Antibacterial, Antiviral, Germicidal light for Home, Schools, Offices, Hospitals, Age Care, Medical Clinic, Emergency Vehicle, Public Transport, and more....
- Raypure Light contains Anti-Bacterial rays with the power to kill the Microbials & safe for humans.
- Centre of Cellular & Molecular Biology (CCMB*)exposed 10 samples of Covid19 Virus, to C-Guard (RayPure) Light irradiance. The results show that within 15 minutes 45% Covid19 Virus was destroyed & 95% in 60 minutes

