

GREENE PRODUCT DESIGN, LLC

EFFICACY TEST REPORT

SCOPE OF WORK

Non-standardized Test Method: Microbial Reduction Rate Test

PRODUCT – UVC Air Sanitizer

MODEL – M2-120

REPORT NUMBER

104801609COL-001

ISSUE DATE

September 13, 2021

PAGES 5

DOCUMENT CONTROL NUMBER

GFT-OP-10h (6-July-2017)

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SECTION 1 EFFICACY STUDY SUMMARY

Client		Greene Product Design, LLC PO Box 1756 Dalton, GA 30722 USA
Project No.		G104801609
Sample	Product	UVC Air Sanitizer
	Model	M2-120
Procedural	Engineer	Leta Myers
	Reviewer	Nicholas Unger
	Dates Tested	9/9/21 – 9/10/21
	Report Date	9/13/21
Standard	Non-standardized Test Method: Microbial Reduction Rate Test	
Testing Facility	Intertek Microbiological Laboratory 1717 Arlingate Ln. Columbus, OH 43228 United States	

SECTION 2 TEST PROCEDURE

The test chamber measured 10’x10’x10’ (1000 cubic ft) room and a microbial suspension was aspirated into the chamber. Air samples were taken from the test chamber once the unit was turned on and sampling was taken at 5, 10, 15, 20, 30, 45, 60, and 120 minutes and then plated. The process was then repeated without the test unit in the chamber to provide the natural decay results. All plates were incubated overnight and viral growth on the test plate was compared to that of the natural decay control.

Air sampling took place using an SKC BioStage Single-stage impactor for 30 seconds at 12L/min (.424 cubic feet/min).

SECTION 3 ORGANISMS

Organism Name	Organism Type	ATCC Number	Source
Phi X174 bacteriophage	Small, non-enveloped virus	13706-B1	Carolina Bioscience

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SECTION 4 EQUIPMENT

Equipment Type	Equipment No.	Calibration Due Date
Micropipette	CE 2587	06/30/2022
Incubator	CE 2381	07/07/2022
Balance	CE 1882	07/07/2022
Autoclave	CE 2376	Verify Before Use
Centrifuge	CE 2382	For Reference Only
Chamber	CE 1149	For Reference Only
Collision Nebulizer	CE 1139	For Reference Only
Refrigerator	CE 1157	For Reference Only
Pump	CE 1137	For Reference Only
Stopwatch	SW013	10/14/2021
Ambient Temperature/RH	CE 1179	For Reference Only

SECTION 5 MEDIA AND REAGENTS

Type	Manufacturer	Lot No	Expiration Date
Nutrient Agar	DIFCO	9346039	10/31/2024
PBS	Fisher	192736	08/01/2022

SECTION 6 SAMPLE ACQUISITION

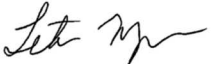
Acquisition method	Shipped to Intertek
Description	UVC Air Sanitizer
Model Number	M2-120
Arrival date	8/31/2021
Condition	New
Sample Identification No.	COL2108311311-001
Development Level	Production

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SECTION 7 SUMMARY OF RESULTS



Organism Type	Virus
Temperature Min/Max	21°C (70°F)
Humidity Min/Max	44% RH
Organism Name	<i>Phi-X174</i>
Percent Reduction 2 Hours	97.3%

Completed by: Leta Myers
 Title: Microbiology Tech I
 Signature: 
 Date: 10-September-2021

Reviewed by: Nicholas Unger
 Title: Staff Engineer
 Signature: 
 Date: 10-September-2021

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ANTIMIROBIAL EFFICACY TEST REPORT

GREENE PRODUCT DESIGN, LLC

Report No.: 104801609COL-001

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