intertek
Total Quality. Assured.

International Ozone Technologies Group, Inc.

Titan Hydroxyl Generator

UV TEST REPORT

SCOPE OF WORK
Clause 223.2 - UV Radiation Test

REPORT NUMBER
104011073CRT-003

ISSUE DATE
15-Aug-2019

PAGES
6

3933 US Route 11
Cortland, NY 13045

Telephone: (607) 753-6711
Facsimile: (607) 758-6637

www.intertek.com

PERFORMANCE TEST REPORT

Issue Date:August 15, 2019

Intertek Report No. 104011073CRT-003
Intertek Project No. G104011073
Intertek Quote No.: Qu-00992238-3

INTERNATIONAL OZONE TECHNOLOGIES GROUP, INC.
1100 S.W. 10th Street Suite J
Delray Beach, FL 33444
USA

Standard / Test Method
UL 507 Ed.10 - November 9, 2017 Electric Fans

Test Purpose	Clause 223.2 - UV Radiation Test
Test Dates	August 8, 2019

Christopher Klein
Engineer Team Lead
Lighting

David Ellis
Senior Project Engineer
Lighting

Test Plan and Datasheets			
Client	INTERNATIONAL OZONE TECHNOLOGIES GROUP,	**Engineer**	Christopher Klein
Report #	104011073CRT-003	**Reviewer**	David Ellis
Product	UV Air Purification System	**Model(s)**	4000

Test Method	Test name	Clause	Pass Fail NA
UL507	Ultraviolet (UV) radiation test	223.2	Pass

Sample Information				
Date Rec.	**Intertek ID**	**Description**	**Condition**	**Model No.**
8/8/2019	CRT1907161050-001	Air Purifier	Production	4000

Picture(s)

Ultraviolet (UV) irradiance test

Method:

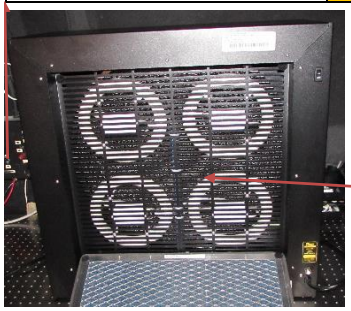
Measurements were performed using the Optronics OL-750D spectroradiometer. The area outside the test unit was scanned for the location of maximum UV output and UV scans performed at that location. The sample was powered directly by 120VAC input into the sample. Sample used was new and unseasoned.

Requirement:

Per UL-507 limit for UV leakage from the enclosure is 0.1 uW/cm^2.

Results:

Max UV Radiation extraneously emitted (S(λ) Weighted)			
Unit Opening		0.032	uW/cm^2
Max Allowable Limit		0.1 µW/cm2	
Position 1	Pass/Fail	Pass	

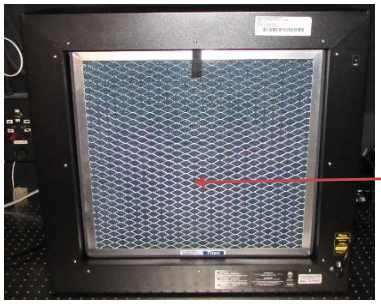


Position 1

Max UV Radiation extraneously emitted (S(λ) Weighted)			
Unit Opening		0.004	uW/cm^2
Max Allowable Limit		0.1 µW/cm2	
Position 2	Pass/Fail	Pass	

Position 2

Max UV Radiation extraneously emitted (S(λ) Weighted)			
Unit Opening		7.73E-04	uW/cm^2
Max Allowable Limit		0.1 µW/cm2	
Position 3	Pass/Fail	Pass	



Position 3

Conclusion:

Complies	**Device scanned output does not output levels above the UL-507 UV limit of 0.1 uW/cm^2.**

Tested By:	Craig Small			Signature or initials:	
Reviewed By:	David Ellis			Signature or initials:	
Test Equipment Used:	1,2,3,4				
Amb (ºC):	24.3	RH%	33	Completion Date:	8/9/19

Equipment Used				
#	Intertek ID No.	Description	Manufacturer	Calibration Due
1	Spectroradiometer	OL 750	Optronic	22-Jul-2019
2	Hygrometer	445703	Extech	26-Mar-2020
3	Digital Power Meter	WT1600	Yokogawa	01-Feb-2020
4	Current Transformer	411	Pearson	08-Mar-2020
5				
6				
7				
Note: For measurement uncertainty, refer to the calibration certificates for all the test equipment located in the equipment files				