



3933 US Route 11
Cortland, NY 13045

Telephone: +01 607 753 6711
Facsimile: +01 607 756 9891
www.intertek-etlsemko.com

Order No. G101382985

27 November 2013

Report Number: G101382985CRT-001
Model Number: 7100

RENDERED TO:

Plasma Air International Inc.
35 Melrose Place
Stamford, CT 6902 USA

<u>Report Scope:</u>	Ozone Emissions Testing of Household Electrostatic Air Cleaners.
<u>Limitation Statement:</u>	The test data and results contained in this report are provided for client information and evaluation. No conclusions are drawn by Intertek.
<u>Authorization:</u>	The tests were authorized by signed quote # 500479565, dated 9/10/2013.
<u>Standard Used:</u>	UL Standard for Safety for Electrostatic Air Cleaners, UL 867, Section 40, Ozone Test, Fifth Edition, August 4, 2011.
<u>Report Content:</u>	<ol style="list-style-type: none"> 1. Unit Under Test 2. Peak Ozone Test Results 3. Max Ozone Test Results 4. Chamber Equipment 5. Summary/Signatures 6. Appendix



This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only the sample tested. This report by itself does not imply that the material, product or service is or has ever been under an Intertek certification program.



1. Unit Under Test Information

MODEL

Manufacturer:	Plasma Air International Inc.	Pre-Filter:	NA
Model Number:	7100	HEPA Filter:	NA
		ESP Filter:	NA
Fan Speeds:	NA----ON/OFF Switch	Carbon Filter:	NA
O3/Voltage Settings:	-	UV Light:	NA
O3 Monitor:	-	Ionizer:	YES
Model Notes:			

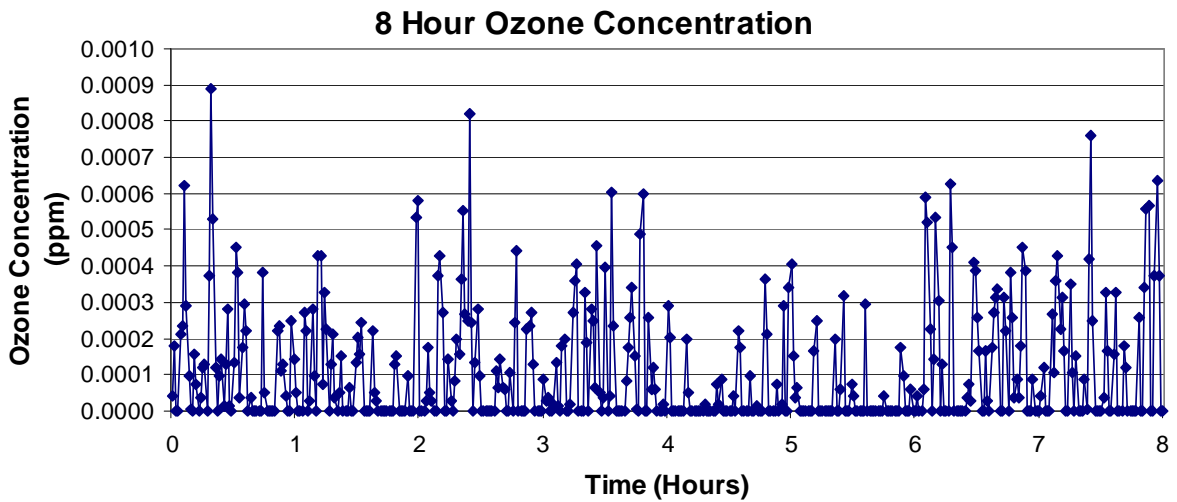
FIRST SAMPLE

Control Number:	CRT1310311128-001	Run-in Start:	1610-11/8/2013
Serial Number:	NA	Run-in End:	0940-11/11/2013
Manufacture Date:	NA	Run-in Temperature:	77 ± 4 degF
Receive Date:	10/31/2013		
Received Status:	OK		
Sample Notes:			



Max Ozone Test Results

<u>Start Date of Test:</u>	11/20/2013
<u>Sample:</u>	1 of 1
<u>Unit ON/OFF:</u>	ON



MAXIMUM OZONE TEST RESULTS							
	UL Ref.	Pass/Fail	Mean	Min	Max	Delta	Units
Background C(t) O3:	40.4.3	PASS	0.000	0.000	0.000	0.000	[ppm]
Test 1min C(t) O3:	40.1.2	PASS	0.000	0.000	0.001	0.001	[ppm]
Test 5min C(t) O3:	40.1.2	PASS	0.000	0.000	0.000	0.000	[ppm]
Chamber Temperature:	40.4.2	PASS	77	76	77	1	[degF]
Chamber Humidity:	40.4.2	PASS	50	50	51	1	[%RH]
Chamber Static Pressure:	-	PASS	0.02	0.01	0.03	0.01	["H2O]
Chamber Supply Air Flow:	-	-	20	20	20	0	[SCFM]
Required to Test 2nd Sample:	40.1.1	NO					
Test Duration:	*40.4.6	8 hours					

Notes:	
--------	--



Chamber Equipment Information

Test Equipment List

Instrument	Model	Intertek Ctrl #	Cal Due Date
Teledyne – Advanced Pollution Instrumentation Ozone Calibrator	703E	O200	02-13-2014
Teledyne – Advanced Pollution Instrumentation Ozone Monitor	400E	O201	*
Teledyne – Advanced Pollution Instrumentation Ozone Monitor	400E	O202	*
Vaisala – Temperature & Humidity Transducer	HMD-70Y	T1307	05-8-14
Dwyer Airflow – Anemometer	471	Y202	10-01-2014

* The 400E Ozone Monitor is calibrated using the 703E calibrator.



3. Summary/Signatures

The test sample(s) documented in this report were tested in accordance to the standard(s) referenced in the first page of this report.

The representative sample(s) have been tested, investigated, and found to comply with the requirements of the UL Standard 867 Section 40.

The data reported in this document is for the client's information only and no conclusions will be drawn by Intertek.

This report completes our evaluation covered by Intertek Project No. G101382985CRT-001. If there are any questions regarding the results contained in this report, or any of the other services offered by Intertek, please do not hesitate to contact the undersigned.

Please note; this Report does not represent authorization for the use of any Intertek certification marks.

<u>OZONE EMISSIONS SUMMARY</u>			
Unit ON/OFF	Filter(s)	O3/Voltage Setting	C(t) _{max} [ppm]
ON	NA	-	0.001

Completed by:	Philip R. Armstrong	Reviewed by:	Eric Dunay
Title:	Assoc. Engineer	Title:	Engineer
Signature:		Signature:	
Date:	27 November 2013	Date:	27 November 2013

4. Appendix

DATA FILES

Test Name	Raw Data File
Model Half Life	1545_HalfLife_ozonelog.csv
Max Ozone: Unit ON	1546_ON_ozonelog.csv

ATTACHMENT DOCUMENTS

Document	Soft-copy File Name
Chain of Custody: Sample 1	COC_CRT1310311128-001.pdf

UUT PHOTOGRAPHS

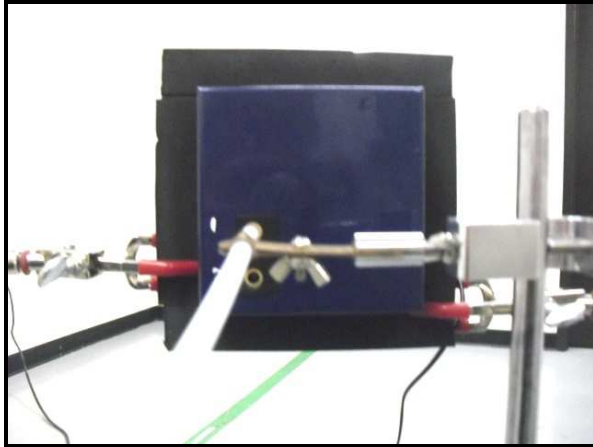


UUT

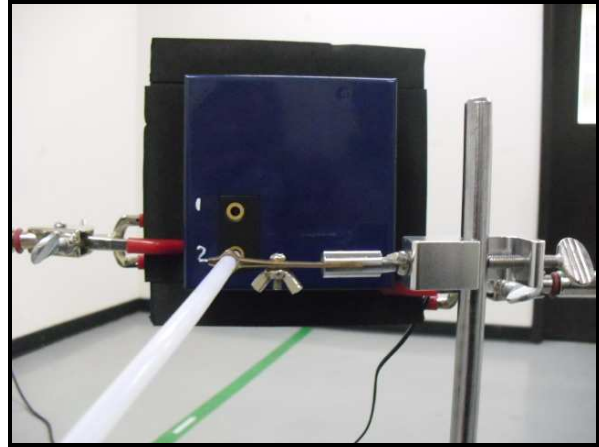


Nameplate

UUT PHOTOGRAPHS: PEAK TEST

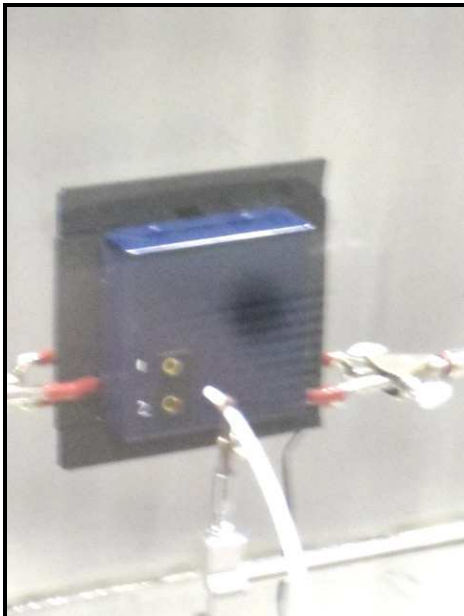


Unit **ON** Position #1



Unit **ON** Position #2

UUT PHOTOGRAPHS: MAX OZONE TEST



Unit **ON** Position #1