



June 13, 2017

Mr. Charles Waddell  
Global Plasma Solutions, LLC  
10 Mall Ter, Bldg. C  
Savannah, GA 31406

Dear Mr. Waddell:

Thank you for choosing UL Environment and its ISO/IEC 17025 accredited testing laboratories for your analytical needs. Attached is the final report, which presents the test protocols and resulting data.

We appreciate this opportunity to assist you. If you have any questions or wish to discuss your results, please feel free to contact us at (888) 485-4733.

Sincerely,

A handwritten signature in black ink that reads "W. Elliott Horner".

W. Elliott Horner, PhD, LEED® AP  
Lead Scientist

Attachment: Report: 18598-01R1



## PROJECT SUMMARY

UL Environment is pleased to present the test results for the air cleaner identified as “GPS - iMOD” model, as submitted by Global Plasma Solutions, LLC. The requested test protocol for this project was to determine compliance with the UL 867 Ozone test method/requirements.

UL Environment did not select the samples, determine whether the samples were representative of production samples, witness the production of the test samples, nor were we provided with information relative to the formulation or identification of component materials used in the test samples. The test results apply only to the actual samples tested.

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This report will serve that all tests on the subject product have been completed. This concludes all work associated with Project 18598 and we are therefore closing this project.

## ENVIRONMENTAL CHAMBER TEST REPORT FOR OZONE EMISSIONS TESTING

Maximum Measured Ozone Emission Concentration (ppm)	Average Ozone Concentration 24 Hour (ppm)	Maximum Allowed Ozone Concentration per UL 867 (ppm)
< 0.001	< 0.001	0.050

**Customer:** Global Plasma Solutions, LLC

**Sample Identification:** 18598-010AA

**Product Description:** AIR CLEANER; GPS-iMOD – modular ionization system

**Product Loading:** 1 unit / 31.1 m<sup>3</sup>

**Test Conditions:** 1.33 ± 0.05 ACH (apparent)  
50% RH ± 5% RH  
25°C ± 2°C

**Electrode Voltage:** 5.35kV RMS

**Test Period:** 05/25/17 - 05/26/17

**Test Description:** The product was received by UL Environment on 04/14/17 as packaged and shipped by the customer. The package was visually inspected and stored in a controlled environment. The product was then loaded into the chamber and monitored for ozone emissions over a 24-hour period.

Ozone analysis conducted using a TEI Model 49i UV-absorbance based analyzer with a detection limit of 0.5 ppb (0.0005 ppm).  
BQL – Below quantifiable limit

**FIGURE 1**

**18598-010AA Ozone Test Results**

