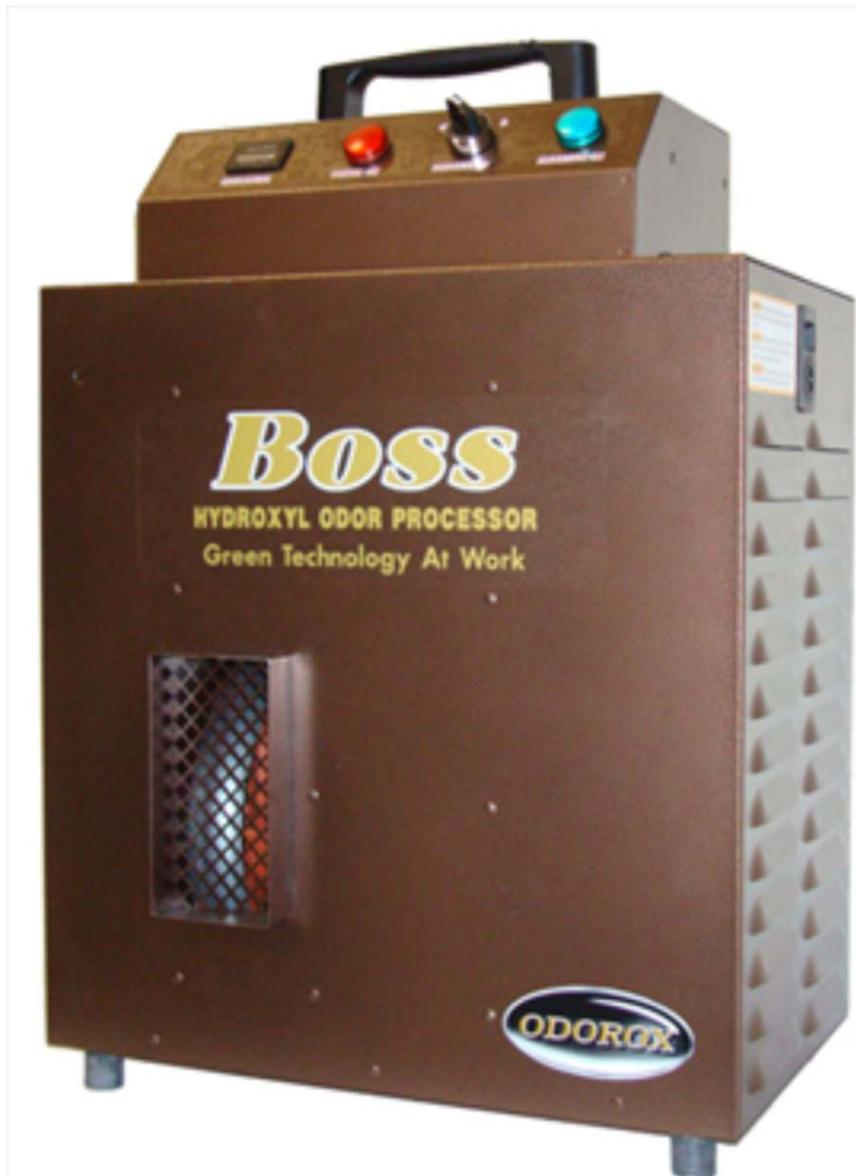# _Underwriters Laboratories_

Classified the Odorox Boss SN #ODHG000474
Under Standard UL867-Section 37 Ozone Test
File #TC9472 Project #13CA11621
as an **OZONE GENERATOR** that is
UNSAFE FOR USE IN OCCUPIED AREAS

Under this testing the Odorox Boss emitted
23.2 TIMES THE ALLOWABLE AMOUNT OF OZONE
for an air cleaner to be considered
safe for use in an occupied area.

INTERNATIONAL OZONE TECHNOLOGIES GROUP INC
860-6 N 8TH ST
LANTANA , FL 33462

E-mail: russm@internationalozone.com

Reference: File: TC9472   Project : 13CA11621

Product: Odorox Boss Air Cleaner S/N ODHG000474/ Lamp ID # HGI Industries Inc 561-735-3702/M1-3U-3702 Hg 8100-LV63

Dear Mr. McCubbin,

Per your request, project 13CA11621 was opened, in accordance with your requested test protocol for the evaluation of the Odorox Boss Air Cleaner. Your requested test protocol for this project was to determine compliance with the superseded UL 867 Ozone test method/requirements. A copy of the test data has been included as an appendix to this report.

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

Thank you for the opportunity to provide your company with these services. Please do not hesitate to contact us if you should have any questions or comments.

Very truly yours,   Sincerely yours:

Richard Odell   Denise Dougherty

Staff Engineer   Staff Engineer
Department: 3016ISCL   Global Commercial Testing Coor.
Tel: 408-754-6699   UL Verification Services
E-mail: Richard.a.odell@ul.com   E-mail: denise.l.dougherty@ul.com

APPENDIX

2013-03-13, 2013-03-14
OZONE TEST   UL 867, Section 37

METHOD

The appliance was placed in a room having a volume of 950-1100 cubic feet (26.9-31.1 m³) with a minimum side dimension of 8 feet (2.4 m) and a maximum height dimension of 10 feet (3.0 m) without openings. The test room walls and ceiling were covered with sheet polyethylene or aluminum. The floor was of a nonporous material such as vinyl tile or aluminum.

During the test, the test room was maintained at a temperature of 25+/-2C (77+/-4 F) and a relative humidity of 50±5 percent. Prior to the start of and immediately after this test, the ozone background level was measured with the product off. The background level average was calculated and subtracted from the maximum measurement during the test.

The appliance was located in the center of the test room floor and about 30 inches (762 mm) above the floor for a table-mounted product.

The ozone monitor sampling tube was located 2 inches (50 mm) from the air outlet(discharge port) of the product and was pointed directly into the air stream.

The test was repeated while measuring AMBIENT OZONE MEASUREMENT AWAY FROM EQUIPMENT.

The emission of ozone was monitored for 24 hours to determine the concentration.

The test was conducted with the fan in Low Speed and the Processor setting on high.

2013-03-13, 2013-03-14
OZONE TEST (Continued)   UL 867, Section 37

RESULTS (AT DISCHARGE PORT)

O3t = Maximum ozone concentration measured: _____1.16_____ parts per million (PPM) by volume.

Ozone background level:

O3prior = prior to the start of the test: ___0____ PPM.
O3after = after the test: ___1.16_____ PPM.

The maximum measured ozone level = O3t – (O3prior + O3after)/2 = ___1.16____ PPM.

***= Please note that the sample put out a high level of ozone. The ozone output was greater than 1.0 PPM, and still rising causing the readings to exceed the ozone analyzers test range. Per project engineers instructions the test was stopped at 3.5 hours. Ref: Highest ozone value 1.16 PPM.

RESULTS (AMBIENT OZONE MEASUREMENT AWAY FROM EQUIPMENT)

O3t = Maximum ozone concentration measured: ___1.08_____ parts per million (PPM) by volume.

Ozone background level:

O3prior = prior to the start of the test: ___0____ PPM.
O3after = after the test: ___1.08_____ PPM.

The maximum measured ozone level = O3t – (O3prior + O3after)/2 = _1.08_____ PPM.

####= Please note that the sample put out a high level of ozone. The ozone output was greater than 1.0 PPM, and still rising causing the readings to exceed the ozone analyzers test range. Please note that the sample readings were taken in the corner of the test room away from the unit. Per project engineers instructions the test was stopped at 3.0 hours. Ref: Highest ozone value 1.08 PPM.

NOTE TO LABORATORY TECHNICIAN: The maximum allowable ozone concentration is 0.05 ppm.

Date	Time	Test Instance	Ambient Temperature, C	Relative Humidity, %	Barometric Pressure, mBar
2013-03-13	Start 9:15 A.M.	At Discharge Port	23C	54%	-
2013-03-14	Start 1:00 P.M.	Ozone Measured Away From Equipment	23C	55%	-

END OF DATASHEET PACKAGE. THIS PAGE INTENTIONALLY LEFT BLANK