eurofins | Product Service

Short Report

Report Reference No. .... :	G0M-1803-7290-SOP001N-V01
Testing Laboratory .... :	Eurofins Product Service GmbH
Address... :	Storkower Str. 38c 15526 Reichenwalde Germany
Applicant's name .... :	AIR CONTROL SRL
Address... :	Via Luigi Biraghi 33, 20159 Milano, Italy

Test specification: In accordance with customer requests

Test conditions .... :	25°C ; 50%r.F.; 999hPa
Date (s) of performance of tests ...... :	2018-03-28 to 2018-03-29
Date of issue .... :	2018-04-03

Tested by (name + signature).......... :	N. Klemz (Expert)	
Approved by (name + signature)...... :	M. Buchholz (Expert)	

Standard(s) .... :	EN 60335-2-65:2003 + A1:2008 + A11:2012 (clause 32)
Non-standard test method.............. :	None

Equipment under test (EUT):

Product description. .... :	Air Control Device
Model No... :	Air Cleaning System LEMA (Standard lamp)
Technical Data............................... :	230V~
Hardware Version .... :	-
Software / Firmware Version............ :	-
Test result	**Passed**

1. Introduction

This report describes the test results of the ozone emission of the Lema Air purifier (see model name page 1).

The tests are performed according to "Test specification" (see page 1).

The procedure is described as follows:

32 Radiation, toxicity and similar hazards

Replace the existing text by the following:

This clause of Part 1 is replaced by the following.

32.101 The ozone concentration produced by air-cleaning appliances shall not be excessive.

Compliance is checked by the following test, which is carried out in a room without openings having dimensions of 2,5 m × 3,5 m × 3,0 m, the walls being covered with polyethylene sheet. If the instructions state that the appliance is to be fixed in a room having a volume exceeding 30 m^3, the dimensions of the test room are increased accordingly.

The appliance is positioned in accordance with the instructions. Appliances used on a table are placed in the centre of the room approximately 750 mm above the floor.

The room is maintained at approximately 25 °C and 50 % relative humidity. The appliance is supplied at rated voltage for 24 h, removable filters being removed if this is more unfavourable.

The ozone sampling tube is to be located in the air stream 50 mm from the air outlet of the appliance. The background ozone concentration measured prior to the test is subtracted from the maximum concentration measured during the test.

The percentage of ozone in the room shall not exceed 5×10^{-6}.

P: pass, **F**: fail or **N/A**: not applicable.

2. Device under test

Device under test:

The device installed in a wooden kitchen closet (doors open), the metal grid has been installed during the measurements.

Model: Air Cleaning System LEMA (Standard Lamp)
Further specifications see page 1.

3. Test results

3.1. Test set-up

The tests were performed in a test room with polyethylene walls (4,4m x 2,5m x 2,2m). The ozone emission in the test room was measured continuously with an ozone analyzer (Model: OZON MONITOR BMT 932C).
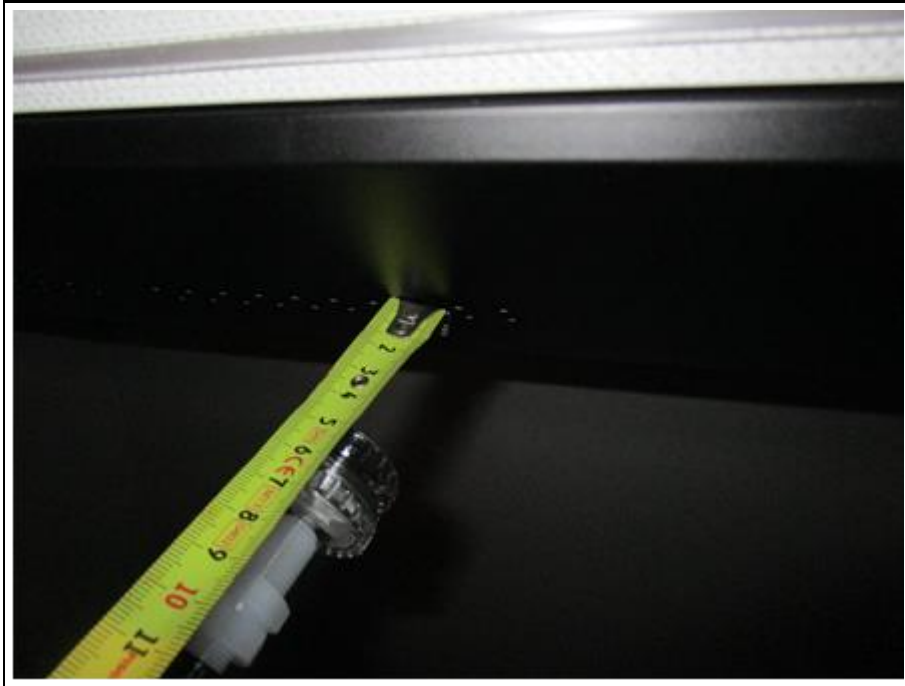
The background ozone concentration measured prior to the test is subtracted from the measured ozone concentration during the test. The air was sampled continuously via Teflon tubing located in the stream at 50mm from the outlet of the device towards the analyzer. See below for pictures of the test set-up.
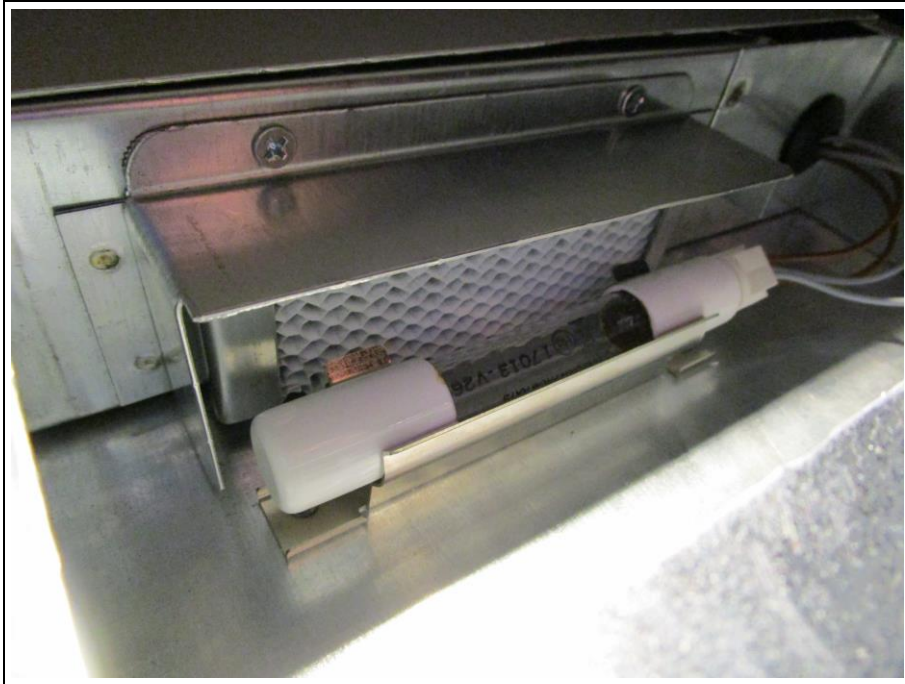
Pictures

Picture 1: Device under test (front view)
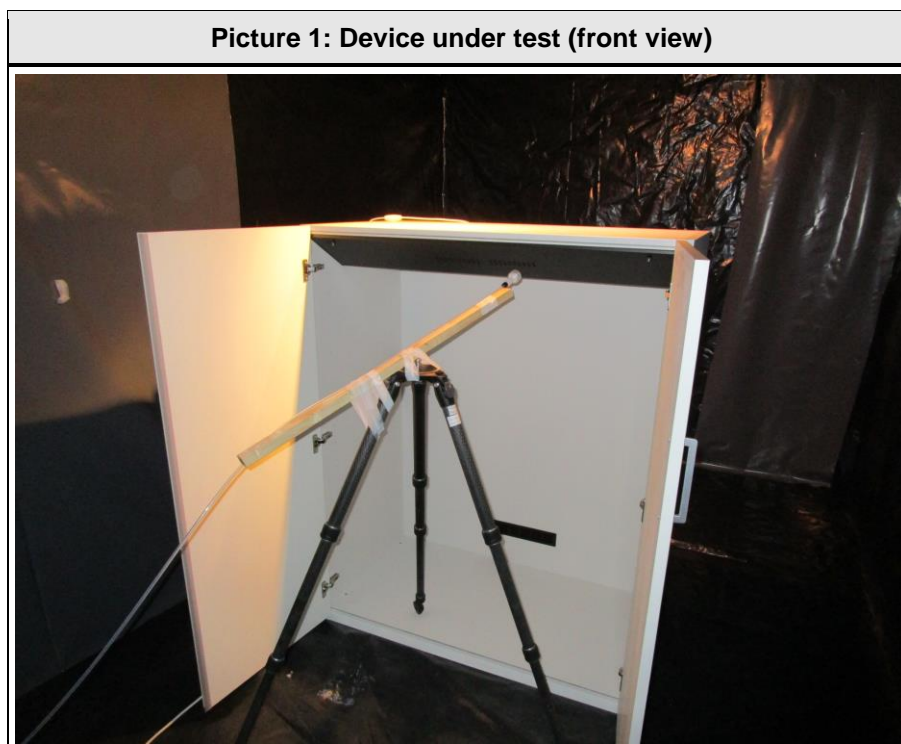
Pictures

Picture 2: Distance between sensor to air outlet

Picture 3: Standard lamp

P: pass, **F**: fail or **N/A**: not applicable.

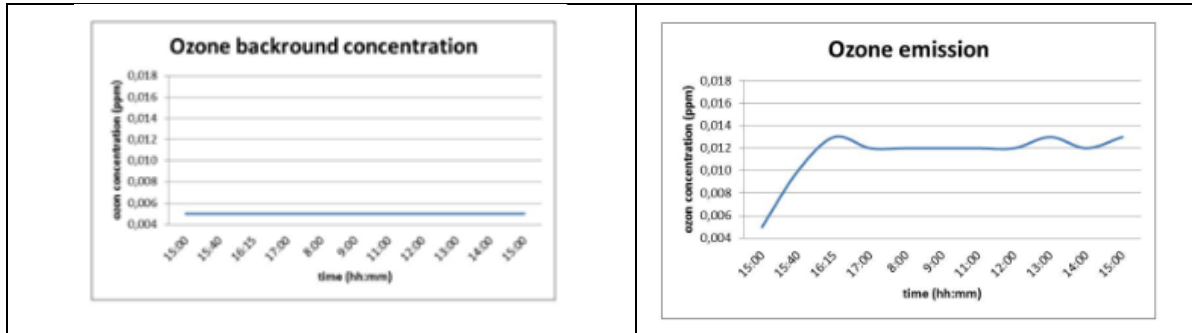### 3.2. Test results

The tests were performed on 28 and 29 March 2018 during about 24h test time (from about 28-03-2018 15:00 to 29-03-2018 15:00).

The ozone photometer OZONE MONITOR BMT 932 for ambient ozone concentrations was calibrated against the BMT Reference Photometer which has been calibrated to the National Standard, traceable to NIST.

4. Conclusion

The percentage of ozone in the room has not exceeded 5 x 10^{-6}.

P: pass, **F**: fail or **N/A**: not applicable.

Note:

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification (only telecommunication products).

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified.

The test report may only be reproduced or published in full.

Reproduction or publication of extracts from the report requires the prior written approval of the

Eurofins Product Service GmbH.