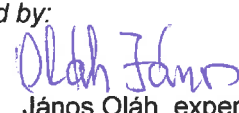



Vizsgálati jegyzőkönyv sz.: <i>Test Report No.:</i>	28239858 001	Rendelés sz.: <i>Order No.:</i>	93355764	Oldal 1 / 6 <i>Page 1 / 6</i>
Megbízó: <i>Client:</i>	Plasmamade BV Burg.Niemeijerstraat 2, Postbus 162 NL-7950 AD Staphorst, The Netherlands			
Gyártó: <i>Manufacturer:</i>	Plasmamade BV Burg.Niemeijerstraat 2, Postbus 162 NL-7950 AD Staphorst, The Netherlands			
Vizsgálat tárgya: <i>Test item:</i>	Airfilter			
Azonosítás: <i>Identification:</i>	GUC 1214 (modified sample)	Széria sz.: <i>Serial No.:</i>	121417271000610	
Raktározási szám.: <i>Receipt No.:</i>	A000168337-001	Átvételi dátum: <i>Date of receipt:</i>	10-07-2017	
Vizsgálati tárgy állapota: <i>Condition of test item:</i>	Hiánytalan, sérülésmentes <i>Complete, undamaged</i>	Vizsgálat ideje: <i>Duration of test:</i>	10-07-2017– 14-07-2017	
Vizsgálati előírás: <i>Test specification:</i>	IEC 60335-2-65:2002 + A1: 2008 + C1:2004 (Second Edition) in conjunction with IEC 60335-1:2010 (Fifth Edition) Clause 32.			
Vizsgálat helyszíne: <i>Testing location:</i>	TÜV Rheinland InterCert Kft. Termékek üzletág Villamos laboratórium H-1132 Budapest, Váci út 48/A-B., Hungary			
Vizsgáló laboratórium: <i>Testing Laboratory:</i>	TÜV Rheinland InterCert Kft. Termékek üzletág Villamos laboratórium H-1132 Budapest, Váci út 48/A-B., Hungary			
Vizsgálati eredmény: <i>Test Result:</i>	A vizsgálati minta megfelelt a fent megnevezett vizsgálati előírásoknak. <i>The test item passed the test specification(s) above.</i>			
Vizsgálta/ tested by:	Ellenőrizte/ reviewed by:			
14-07-2017	 János Oláh, expert	14-07-2017	 László Nógrádi, reviewer	
Dátum <i>Date</i>	Név, feladatkör <i>Name, function</i>	Aláírás <i>Signature</i>	Dátum <i>Date</i>	Név, feladatkör <i>Name, function</i>
				Aláírás <i>Signature</i>
Egyéb szempontok/ Other Aspects:				
Rövidítések:	P(ass) = megfelelő F(ail) = nem megfelelő N/A = nem vonatkozik N/T = nem vizsgált	Abbreviations:	P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested	
<p>Ezen vizsgálati jegyzőkönyv a vizsgált mintapéldányra vonatkozik. A vizsgáló szervezet engedélye nélkül részleges másolata nem engedélyezett. Ez a jegyzőkönyv nem jogosít fel valamely biztonsági jel használatára.</p> <p><i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i></p>				

IEC 0335-2-32			
Clause	Requirement + Test	Result - Remark	Verdict
32	RADIATION, TOXICITY AND SIMILAR HAZARDS		
	Appliance does not emit harmful radiation or present a toxic or similar hazard due to their operation in normal use	Software and protective electronic circuit safety of the ozone production is not tested	N/T
	Compliance is checked by the limits or tests specified in part 2, if relevant		P
	The ozone concentration produced by ionization is not excessive and shall not exceed 5×10^{-6} .	25 ppb measurment uncertainty (estimated):+ 10 ppb /-3 ppb	P

Intended use of Plasma Made Airfilter

It can only be used as an air filter in a household kitchen recirculation hood extractor.

The Plasma_Made Airfilter is installed to the hood extractor only by the manufacturer of the hood extractor.

User manual:

User manual, which was delivered with the test samples::PlasmaMade Version: 004, Juni 2017.

Perform the test: Support of the test condition

In the tent:

Temperature: 25 ± 1 °C (during 24 hours)

Humidity: 33-42 % (during 24 hours -with a decreasing tendency)

The test chamber is a tent, which having dimensions of 2.5 m × 3.5 m × 3.0 m. The test tent was set up in a big room.

The big room is air conditioned. Temperature: 24 °C- 21°C, Humidity: 42-43 %

The test tent is covered with dark polyethylene sheet. It does not pass through light.

The polyethylene sheet is fixed to the support of the tent with an adhesive tape.

The tent structure is metal.

PlasmaMade Airfilter is installed to the household kitchen hood extractor type Fagor with 3 positions.

The Fagor hood extractor is marked: Model:1CCP-50B Type: E015 II,140 W

Air flow:

- Nominal:180 m³/hour (free outflow)
- According to UNE-EN-61591: 116 m³/hour 198 m³/hour (at15 Pa)
- Effective with the mounted air filter: 180 m³/hour – documented in the test record of the test report: 28227284 003

The installation of the hood extractor is according to the user manual.

The active filter is not installed in the hood extractor.

The hood extractor with test the sample is placed on a metal frame table in the center of the tent 750 mm above over the floor.

The hood extractor is operated after the initialization of the filter in 3.stages.

The ozone sampling tube is to be located in the airstream 50 mm from the peripheral surface of the air filter and half height of the air filter.

The test sample is supplied with own power supply at rated voltage for 12 h,

The external effect did not exist in the tent.

-The measured background concentration in the tent was below 5 ppb.

- During the measurement the tent opening is closed.

- Any organic material was not placed in the tent, such as e.g. tree table for the support of the appliance, which can be influence the measured ozone concentration.

-The ozone monitor, all electrical switches, and the computers were placed outside the tent.

-The motor of the hood extractor has not brush.

-The extractor hood and the ozone generator are switched on and switched out outside the tent.

Ozone monitor:

The principle of the ozone monitor meets the requirements of ISO 13964, EN 14625 and VDI 4202.

Determination method ozone: absorption UV Light at 254 nm

The type conformity of the ozone monitor was tested by TÜV Rheinland Immissionschutz und Energiesysteme GmbH.

The background ozone concentration measured prior to the test is subtracted from the maximum concentration measured during the test.

Response time: programmed value 01 see photo 5.-6.and 11 see photo 7.

Sample no. 121417271000610 was assembled to the hood extractor.

Measuring equipment:

Mérőeszköz Measuring equipment	Gyártó Manufacturer	Típus Type	Leltári sz. / széria sz. Inventory / Serial No.	Köv. kalibráció Next calibration
O ₃ monitor	Environnement S.A	O342M	6030	26.05.2018
Tape measure	Extol	5m	01571017	24.01.2020.
Digital temperature and humidity meter	TESTO	TESTO 635-2 (0560.6352)	01307034	13.02.2018

Photos:



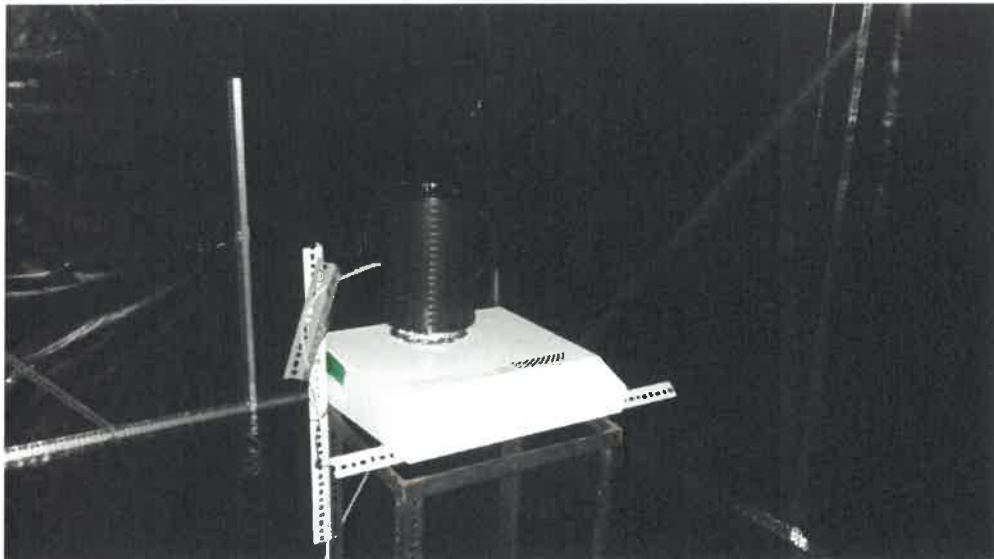
Photo 1.



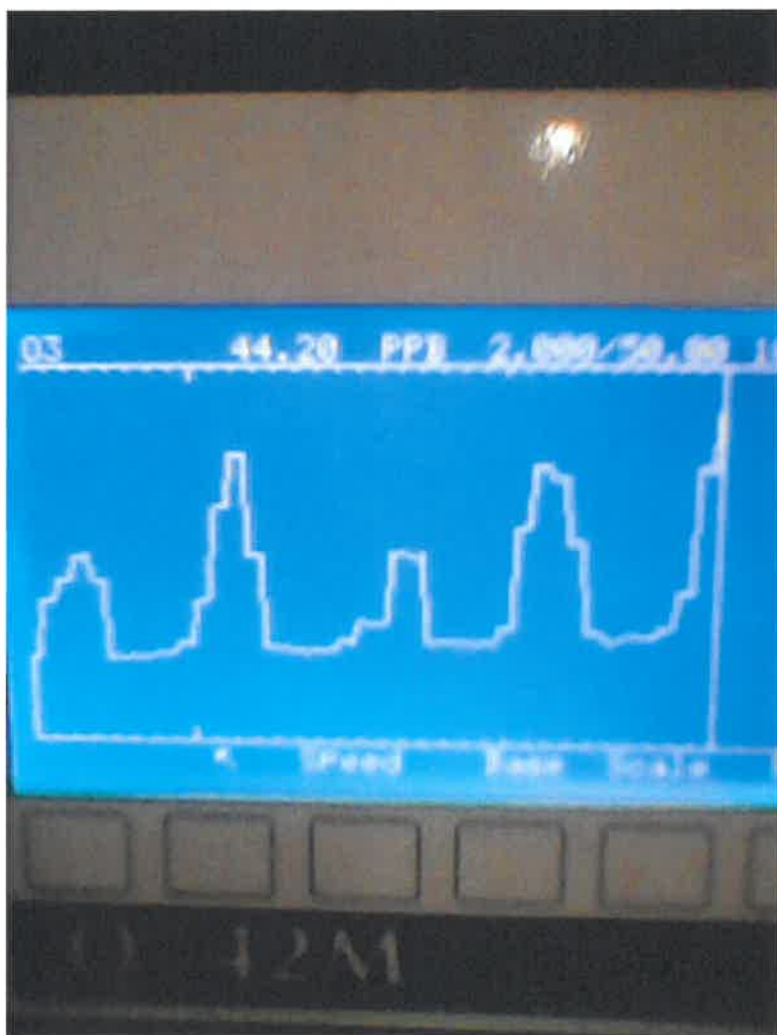
Photo 2



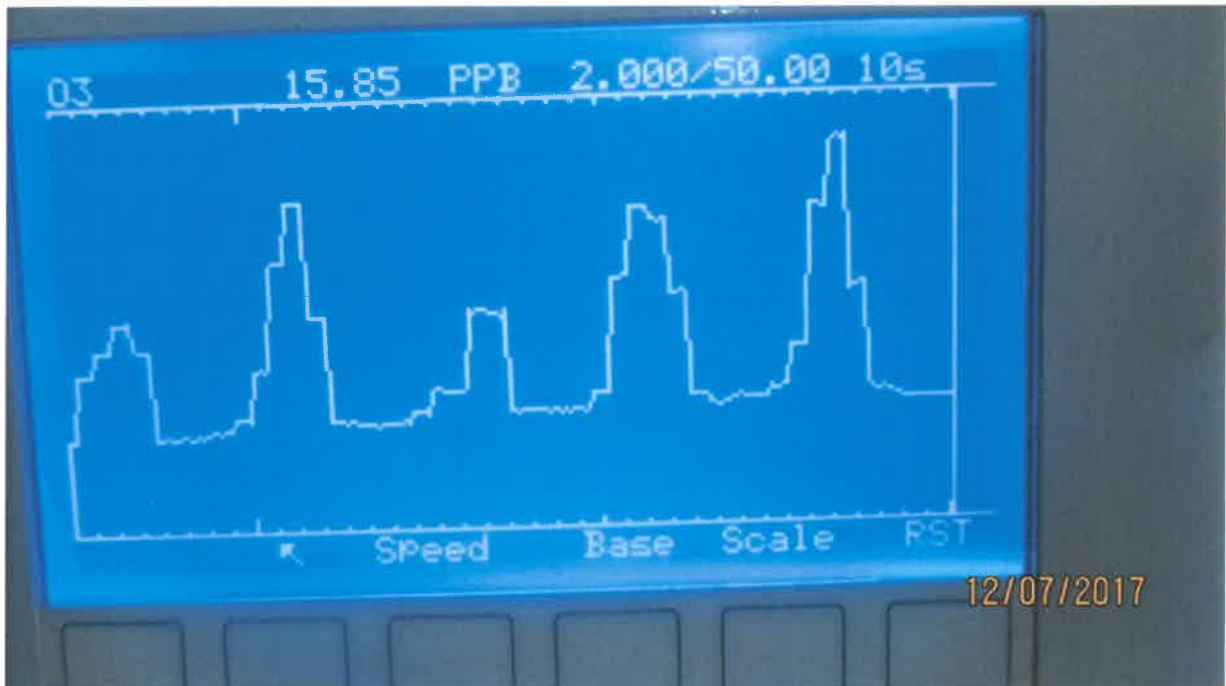
Photo 3.



Pfoto 4.



Pfoto 5.



Pfoto 6.



Pfoto 7.

Vizsgálati jegyzőkönyv vége / End of Test Report