

檢驗報告

報告編號： UG/2011/50089

日期： 2011年05月19日 頁數： 1 of 2



匯聚科技有限公司
 新北市三重區中興里重新路5段646號4樓之3

以下測試之樣品係由供應廠商所提供及確認：

產品名稱： 瑞典 LightAir IonFlow 空氣清淨機
 產品型號： Surface/Style/Sky
 申請廠商： 匯聚科技有限公司
 生產或供應廠商： LightAir
 原產國： 瑞典
 送樣日期： 2011年05月13日
 測試日期： 2011年05月14日

委託測試項目： 負離子。

測試方法： 將樣品放置於室內空間，距產品 10 cm 處，並以負離子直讀式儀器進行連續即時監測
 10 分鐘
 儀器偵測範圍： 1 1,236,000 single/c.c
 儀器名稱： Anion Detector/Inti ITC-201A
 環境中負離子數： 220 single/c.c
 溫度： 30
 相對濕度： 39.0 %

測試結果：

負離子

測試項目	使用前(環境空白)	使用中(10 cm)	單位
最大值	520	>1,236,000	single/c.c.
最小值	150	>1,236,000	single/c.c.
平均值	220	>1,236,000	single/c.c.

註：

1.本報告不得分離，分離使用無效。

報告結尾

Signed for and on behalf of
 SGS Taiwan Ltd.

Shin-Jyh Chen

Shin-Jyh Chen
 Asst. Manager



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匯聚科技有限公司

新北市三重區中興里重新路5段646號4樓之3

樣品照片：



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To: KK Holistic Holdings

Test report

Feb. 4, 2011/02/16

Issued No. 10-3181

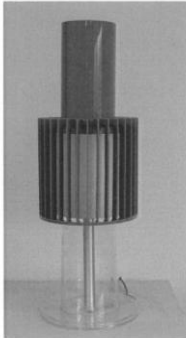
**Approved and registered environmental measuring agency for
Tokyo Metropolitan Government
Ministry of Welfare and Health, Labor
Ministry of Environment
ISO/IEC7025**

Analysis Center Co., Ltd. Japan

**Head Office 3-4-9 Misaki-cho Chiyoda-ku, Tokyo
#1 Tech Lab. 1-12-2 Higashi Mukoujima Sumida-ku, Tokyo**

Upon a request by KK Holistic Holdings, ACL has tested the particle reduction performance. We report here the test method and the results.

1. Testing Objective



LightAir Ionizer, IonFlow50 Surface
(see as the left image)

2. Testing items and procedure

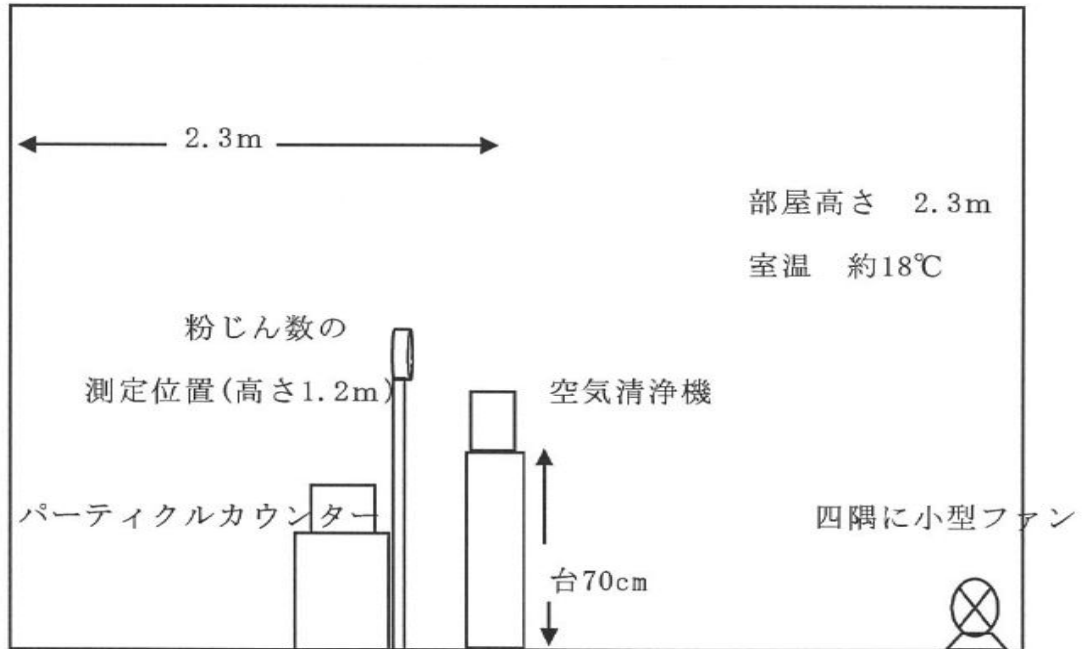
/ Reduction performance of airborne particles by air-purifier

The objective of this test was to measure an efficacy of airborne particle reduction by the air-purifier. Prior to a measurement test, a candle-light were used as the source of pollution, to give an initial particle count of the size of 0.3 micron or more above 1.6million particles/L. As the particle concentration reached to it, the candle light was removed and the air-purifier was turned on. Measurements of the particle concentration was started and continued until when the particle concentrations decreased to about 5% of the starting concentrations. Also, we measured the natural decline in the same manner. Air-purifier was placed in the middle of the testing chamber, 70cm above the floor, the particle counter was also placed in the middle of the chamber, 50cm away from the air-purifier, 120cm above the floor. During the testing, small fans were located at the each of four corners of the testing room and running throughout the testing operation in order to beat up the air.

The candle used in the testing was No. 20 made by Akatsuki Fuji Candle. The figure below shows a layout of the testing chamber.

The testing chamber

(W 4.5m x D 2.3m = 10.3 square meters, almost relevant to 6 mats of Tatami)



Particle was measured by a particle counter and the particle counter is :

KC-01C Ri-on Co., Ltd.(Semi conductor laser)

Measured in five particle size rebels over 0.3 micron

3. Results

Table 1, also Graph 1 show results of airborne particle variations and reduction rate of the particle variation by time. The attached table at the end of this report shows the amount of each particle sizes by every 20 minutes.

Table 1:

Particle amount of the sizes of 0.3 micron and more by time with/without air-purifier

Duration (min.) after start	With IonFlow50 Amount/Littre	Natural Decay Amount/Littre	Particle Reduction Rate by IonFlow50
0	1,797,418	1,863,765	-
20	1,658,544	1,814,485	7.7%

40	1,128,155	1,792,123	37.2%
60	604,384	1,769,912	66.4%
80	298,248	1,757,880	83.4%
100	150,265	1,708,019	91.6%
120	84,125	1,682,032	95.3%
140	52,999	1,670,228	97.1%
160	36,495	-	98.0%
180	28,840	-	98.4%

As a result of the particle reduction testing, the airborne particles of the sizes of 0.3 micron and more in the testing room have been reduced 66% after 60 minutes operation of the air-purifier, over 90% after 100 minutes, more than 98% after 180 minutes. The results prove an efficacy of the airborne particle reduction by the air purifier which was utilized in the testing in the above described circumstances. Although it will vary the clinical environments in real rooms due to movements of living persons and/or opening and closing doors/windows, with/without the air ventilation systems and conditions of air circulations, this results suggest the air purifier used in this testing has an exact efficacy of particle reduction in a room.

