

## 超微量工業安全實驗室 Ultra Trace Industrial Safety Hygiene

### 測試報告

報告編號:

US/2018/70293

日期: 2018年08月03日

頁數:2 of 2

匯聚科技股份有限公司

新北市三重區重新路五段646之1號

樣品照片



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匯聚科技股份有限公司

新北市三重區重新路五段646之1號

以下測試之樣品係由申請廠商所提供及確認:

產品名稱:

空氣清淨機

申請廠商:

匯聚科技股份有限公司

送樣日期:

2018年07月16日

測試日期:

2018年07月16日~2018年08月03日

測試方法:

對照組-與實驗組相同之執行方式,惟獨不開啟受測產品。

實驗組-將受測產品架設於2.9m×1.4m×1.9m之密閉測試空間中,注入固定濃度之粉塵並均匀混合

後,以監測器連續監測開機1小時後之空氣中小於2.5µm之微粒濃度變化。

測試結果:

測試項目	測試結果		四八	去除率
	對照組	實驗組	單位	<b>大陈午</b>
懸浮微粒PM <sub>2.5</sub>	961	<1	μg/m <sup>3</sup>	>99.9%

備註:1.本報告不得分離,分離使用無效。

2. 本次委託測試項目由SGS環境服務部-台北執行。

-FND-

Signed for and on behalf

SGS Taiwan Ltd.

Shin-Jyh Ch'en

Manager

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TWC 5 3 5 4 3 4 8

# LMS Technologies, Inc.

Date: June 28, 2016 Requested By: Homedics

Filter ID: AP15 Small Filter Sample#3 Manufactured by:

Pleat Count: 65 Pleats Size: 11" x 9.5" x 1"
Test Type: HEPA Test LMS#: 3958

Test Aerosol: KCL, Neutralized

Flow Rate(cfm)	92 cfm	
ΔP (" H <sub>2</sub> O)	0.228	
Size Range (μm)	Fractional Efficiency %	
0.3-0.5	99.996	
0.5-0.7	100.000	
0.7-1.0	100.000	
1.0-2.0	100.000	
2.0-3.0	100.000	
3.0-5.0	100.000	
>10.0	100.000	

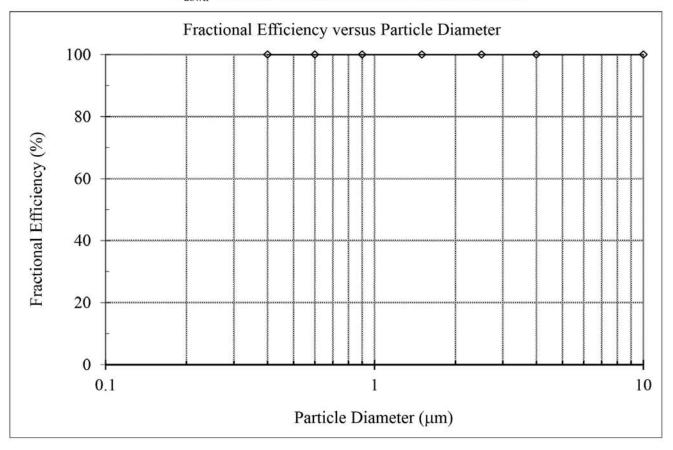


$$F_{\text{eff}} = \frac{C_{up} - C_{down}}{C_{UP}} x 100\%$$

F<sub>eff</sub> = Fractional Efficiency

 $C_{up}$  = Particle Concentration Upstream of Filter

C<sub>down</sub> =Particle Concentration Downstream of Filter



# LMS Technologies, Inc.

Date: June 28, 2016 Requested By: Homedics

Filter ID: AP25 Largel Filter sample#3 Manufactured by:

Pleat Count: 80 Pleats Size: 13" x 11.5" x 1"
Test Type: HEPA Test LMS#: 3958

Test Aerosol: KCL, Neutralized

Flow Rate(cfm)	140 cfm	
ΔP (" H <sub>2</sub> O)	0.217	
Size Range (μm)	Fractional Efficiency %	
0.3-0.5	99.979	
0.5-0.7	99.986	
0.7-1.0	99.992	
1.0-2.0	100.000	
2.0-3.0	100.000	
3.0-5.0	100.000	
>10.0	100.000	



$$F_{eff} = \frac{C_{up} - C_{down}}{C_{UP}} x 100\%$$

F<sub>eff</sub> = Fractional Efficiency

 $C_{up}$  = Particle Concentration Upstream of Filter

C<sub>down</sub> =Particle Concentration Downstream of Filter

