

**LMS TECHNOLOGIES, INC.**  
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**Test Report-ASHRAE Test Standard 52.2**

Test Requested By:	<u>Manufacturer</u>	Report #: 867
		Test Date: 01/18/05
Model Number:	<u>Charcoal Pleat</u>	
Dimensions:	<u>20 x 20 x 2</u>	
Number of Pleats:	<u>17 pleats</u>	
Filter Description:	<u>Black synthetic pleat filter</u>	
How Filter Obtained:	<u>Provided by Manufacturer</u>	
	<u> </u>	
	<u> </u>	

**Test Results**

Test Air Flow Rate(CFM)/Velocity (FPM)	<u>1367cfm / 492 fpm</u>
Initial Resistance (in. WG)	<u>0.297</u>
Final Resistance (in. WG)	<u>1.5</u>
Minimum Efficiency Rating Value (MERV)	<u>MERV 6 @ 1367cfm</u>
Minimum Average Efficiency 0.3 to 1.0 Microns (E1)	<u>7.2</u>
Minimum Average Efficiency 1.0 to 3.0 Microns (E2)	<u>30.5</u>
Minimum Average Efficiency 3.0 to 10 Microns (E3)	<u>39.9</u>
Dust Fed to Final Resistance(grams)	<u>121.2 grams</u>

**Test Description**

Temp & Humidity:	<u>70 @ 35%</u>
Particle Analysis:	<u>Hiac/Royco FE-80</u>
Test Dust:	<u>ASHRAE 52.1 Dust</u>
Test Aerosol:	<u>KCL Neutralized</u>

Test Engineer :	<u>Mick Flom/Tom Atef/Kian Imani/Emile Tadros</u>
Approved By:	<u>K. C. Kwok, Ph.D.</u>