

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

Test Requested By:	<u>Dust Free, LP</u>	Report #: 1857 Test Date: 07/29/2009
Manufacturer:	<u>Dust Free, LP</u>	
Product Name:	<u>Sample 0.20-0.21</u>	
Model Number:	<u>N/A</u>	
Dimensions:	<u>20" x 25" x 1"</u>	
Number of Pleats:	<u>N/A</u>	
Filter Description:	<u>Black, Foam Panel Filter</u>	
How Filter Obtained:	<u>Provided by Dust Free</u>	

Test Results

Test Air Flow Rate(CFM)/Velocity (FPM)	<u>1024 cfm / 295 fpm</u>
Initial Resistance (in. WG)	<u>0.175"</u>
Final Resistance (in. WG)	<u>0.800"</u>
Minimum Efficiency Rating Value (MERV)	<u>MERV 8 @ 1024 cfm</u>
Minimum Average Efficiency 0.3 to 1.0 Microns (E1)	<u>1.3</u>
Minimum Average Efficiency 1.0 to 3.0 Microns (E2)	<u>25.0</u>
Minimum Average Efficiency 3.0 to 10 Microns (E3)	<u>76.1</u>
Dust Fed to Final Resistance (grams)	<u>123.5 grams</u>
Dust Holding Capacity (grams)	<u>110.3 grams</u>
Arrestance:	<u>89.3%</u>

Test Description

Temp & Humidity:	<u>71 @ 40%</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 : Mick Flom/Emile Tadros/Kian Imani/Pat Best

Approved By: K. C. Kwok, Ph.D.
