

LMS TECHNOLOGIES, INC.

6423 Cecilia Circle

Minneapolis, MN 55439

Email: info@lmstechnology.com

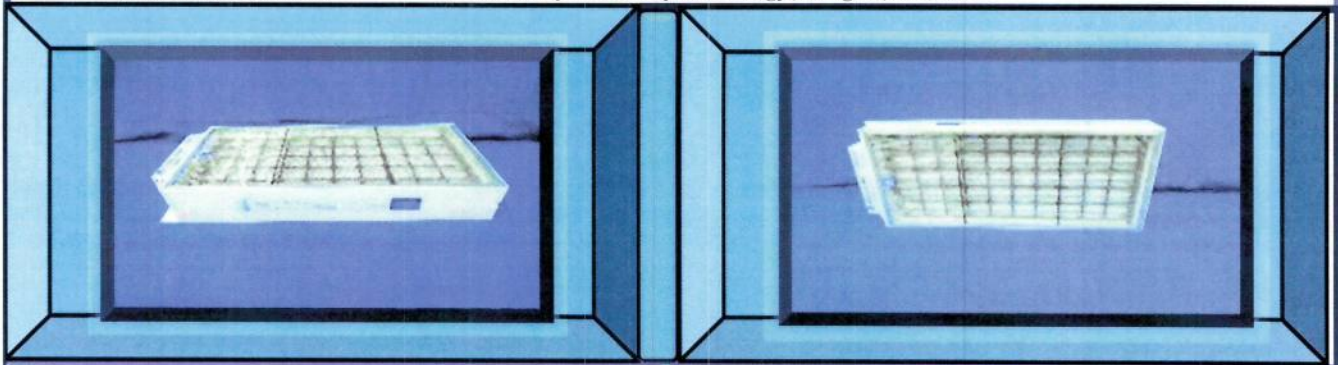
Website: www.lmstechnologiesinc.com

Test Report-ASHRAE Test Standard 52.2-2017 (New Classification)

Test Requested By: AirQuality Technology(Shanghai) Co., Ltd.
 Manufacturer: AirQuality Technology(Shanghai) Co., Ltd.
 Filter ID: EA4 4"
 Product Name: Electronic Air Filter
 Nominal Size: 12" X 24" X 4"
 Actual Size: 287x592x95 mm
 Filter Description: Electronic Air Filter
 How Filter Obtained: Provided By AirQuality Technology(Shanghai) Co., Ltd.

Test Date: 6/9/2026

Report #: 7689



Test Results

Test Air Flow Rate(CFM)/Velocity (FPM)/(m/s)	<u>984 cfm/492 fpm/(2.5 m/s)</u>
Initial Resistance (in. WG)/pa	<u>0.181"/45 pa</u>
Final Resistance (in. WG)/pa	<u>0.183"/ 46pa</u>
Minimum Efficiency Rating Value (MERV)	<u>MERV 16 @ 984 cfm</u>
Minimum Average Efficiency 0.3 to 1.0 Microns (E1) (PM1)	<u>99.3 (99.3)</u>
Minimum Average Efficiency 1.0 to 3.0 Microns (E2) (PM2.5)	<u>100.0 (99.6)</u>
Minimum Average Efficiency 3.0 to 10 Microns (E3) (PM10)	<u>100.0 (99.7)</u>
Dust Fed to Final Resistance (grams)	<u>10 grams</u>
Dust Holding Capacity (grams)	<u>9.6 grams</u>
Arrestance:	<u>96.0%</u>
Average Single-Pass Ozone Generation in 30 minutes:	<u>4.3 ppb</u>

Test Description

Temp & Humidity: 70° F @ 40%
 Particle Analysis: Met One 3400
 Test Dust: ASHRAE 52.1 Dust with No Carbon
 Test Aerosol: KCl, Neutralized
 LMS#: 10974

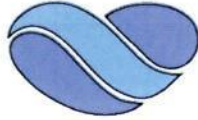
Data verified by LMS Calibration filter* Patent Pending



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LMS TECHNOLOGIES, INC.

Test Engineer:
 Kevin Kwong , Pat Best , Jose Tizcareno
 Balakiyem Katanga

Engineering Approval:
 K.C. Kwok, PH.D. _____



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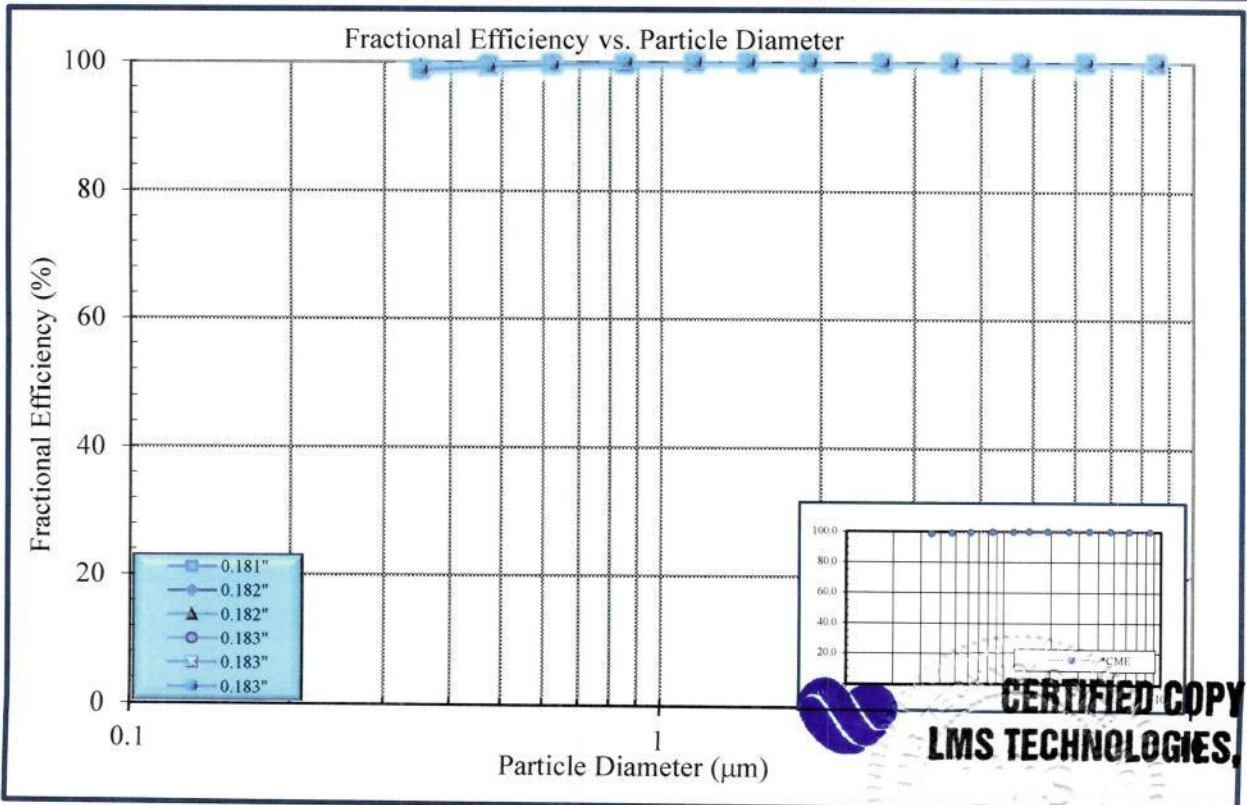
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Date :	June 9, 2026	Requested by :	
Filter ID:	EAF 4"	AirQuality Technology(Shanghai) Co., Ltd.	
Test Type :	52.2 - 2017	Manufacturer :	
Test Aerosol :	KCl, Neutralized	AirQuality Technology(Shanghai) Co., Ltd.	
Report #:	7689		

DP (" H ₂ O)	0.181"	0.182"	0.182"	0.183"	0.183"	0.183"	*CME
Size Range (mm)							
0.3-0.4	98.7	98.5	99.0	98.6	98.8	98.7	98.5
0.4-0.55	99.3	99.4	99.3	99.5	99.4	99.2	99.2
0.55-0.7	99.7	99.6	99.7	99.5	99.7	99.5	99.5
0.7-1.0	99.8	99.8	99.8	99.9	99.8	100.0	99.8
1.0-1.3	99.9	100.0	99.9	100.0	100.0	100.0	99.9
1.3-1.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.6-2.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.2-3.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3.0-4.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4.0-5.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5.5-7.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7.0-10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

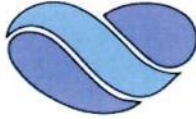


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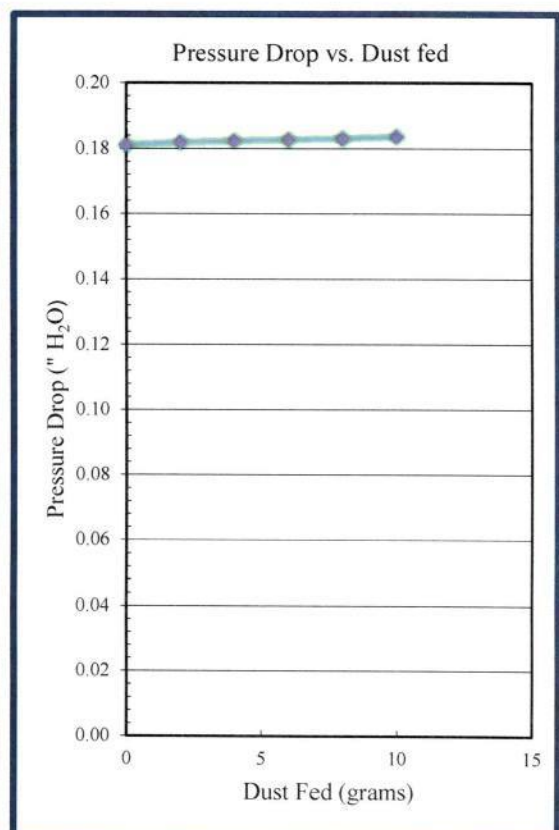
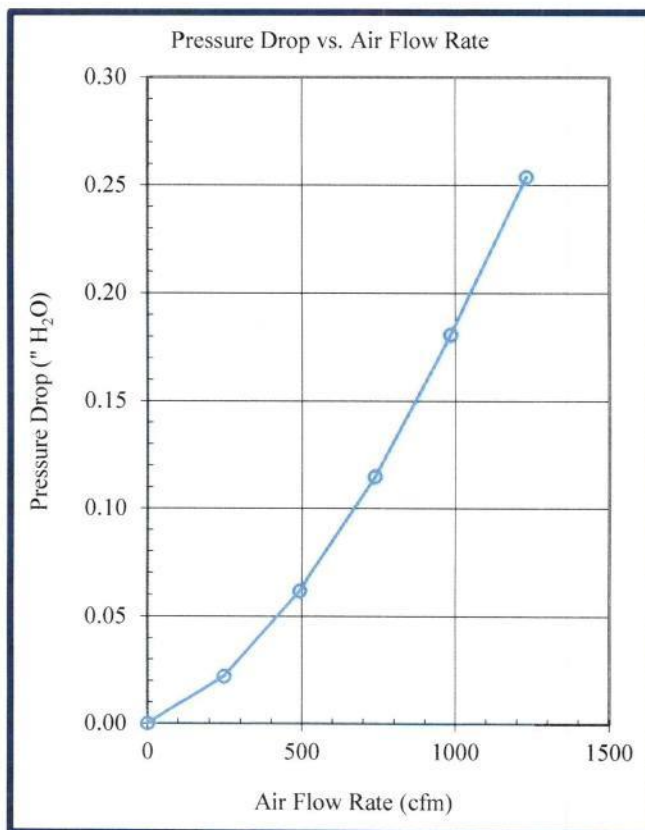
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Date:	June 9, 2026	Test Requested by :
Filter ID:	EAF 4"	AirQuality Technology(Shanghai) Co., Ltd.
Test Type :	Pressure Drop of Clean Filter	Filter Manufacturer :
For ASHRAE 52.2-2017	REP#7689	AirQuality Technology(Shanghai) Co., Ltd.

Flow Rate CFM	Velocity FPM	Δp (pa)	Δp (in H ₂ O)	% of Rated Airflow	Dust fed	Pressure drop
0	0	0.00	0.000	0%	0.00	0.181
246	123	5.50	0.022	25%	2.00	0.182
492	246	15.50	0.062	50%	4.00	0.182
738	369	28.70	0.115	75%	6.00	0.183
984	492	45.20	0.181	100%	8.00	0.183
1230	615	62.50	0.254	125%	10.00	0.183



Test Engineer:
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