

LMS TECHNOLOGIES, INC.

6423 Cecilia Circle

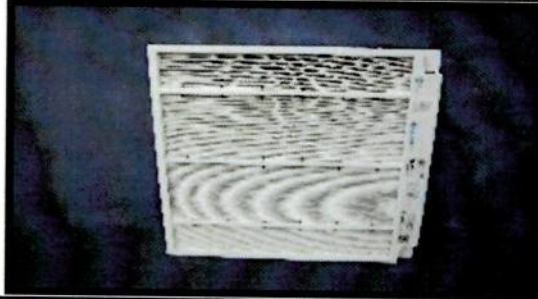
Minneapolis, MN 55439

Email: info@lmstechnologies.com

Website: www.lmstechnologiesinc.com

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

Test Requested By:	<u>AirQuality Technology(Shanghai) Co., Ltd.</u>	Test Date: <u>11/9/2025</u>
Manufacturer:	<u>AirQuality Technology(Shanghai) Co., Ltd.</u>	Report #: <u>7339</u>
Filter ID:	<u>EAf</u>	
Part #:	<u>N/A</u>	
Dimensions inches:	<u>20" X 20" X 1"</u>	
Dimensions mm:	<u>495X 495X 23.5 mm</u>	
Filter Description:	<u>Electronic Air Filter</u>	
How Filter Obtained:	<u>Provided By AirQuality Technology(Shanghai) Co., Ltd.</u>	



Test Results

Test Air Flow Rate(CFM)/(CMH)	<u>650 cfm / 1100 cmh</u>
Initial Resistance (in. WG)/(Pa)	<u>.041" / 10.2 pa</u>
Final Resistance (in. WG)/(Pa)	<u>.044" / 11.0 pa</u>
Minimum Efficiency Rating Value (MERV)	<u>MERV 6 @ 650 cfm</u>
Minimum Average Efficiency 0.3 to 1.0 Microns (E1)	<u>25</u>
Minimum Average Efficiency 1.0 to 3.0 Microns (E2)	<u>28.9</u>
Minimum Average Efficiency 3.0 to 10 Microns (E3)	<u>36.4</u>
Dust Fed to Final Resistance (grams)	<u>5 grams</u>
Dust Holding Capacity (grams)	<u>4 grams</u>
Arrestance:	<u>80.0%</u>

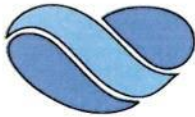
Test Description

Temp & Humidity:	<u>70° F @ 40%</u>
Particle Analysis:	<u>Met One 3400</u>
Test Dust:	<u>ASHRAE Dust no Carbon</u>
Test Aerosol:	<u>KCl, Neutralized</u>
LMS#:	<u>10527</u>

Data verified by LMS Calibration filter* Patent Pending



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



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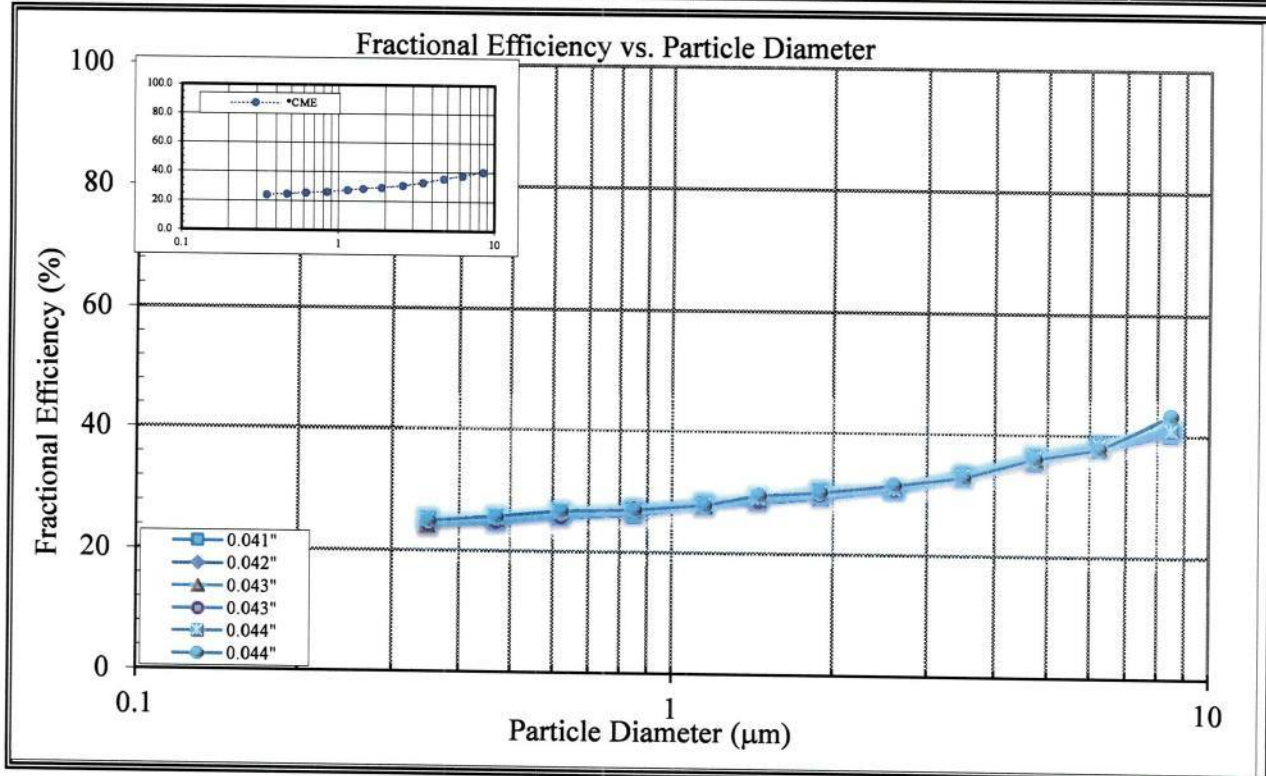
Minneapolis, MN 55439

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Date :	November 9, 2025	Requested by :
Filter ID:	EAF	AirQuality Technology(Shanghai) Co., Ltd.
Test Type :	52.2 - 2017	Manufacturer :
Test Aerosol :	KCl, Neutralized	AirQuality Technology(Shanghai) Co., Ltd.
Report #:	7339	

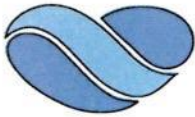
ΔP (" H ₂ O)	0.041"	0.042"	0.043"	0.043"	0.044"	0.044"	*CME
Size Range (μm)							
0.3-0.4	23.9	24.3	24.1	24.4	25.1	24.8	23.9
0.4-0.55	24.5	24.8	25.1	24.9	25.5	25.6	24.5
0.55-0.7	25.5	26.1	26.3	25.8	26.5	26.6	25.5
0.7-1.0	26.0	26.7	26.9	27.1	27.0	26.9	26.0
1.0-1.3	27.5	27.9	27.8	28.0	28.1	27.8	27.5
1.3-1.6	28.3	28.7	28.8	28.8	29.2	29.5	28.3
1.6-2.2	29.2	30.1	30.3	29.9	30.4	30.1	29.2
2.2-3.0	30.6	31.2	31.1	30.8	30.9	31.4	30.6
3.0-4.0	32.6	32.9	33.2	33.1	33.3	32.8	32.6
4.0-5.5	35.3	36.1	35.8	36.2	36.5	36.0	35.3
5.5-7.0	37.6	38.2	37.9	38.1	38.5	37.7	37.6
7.0-10.0	40.2	41.0	41.2	41.6	40.9	43.2	40.2



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



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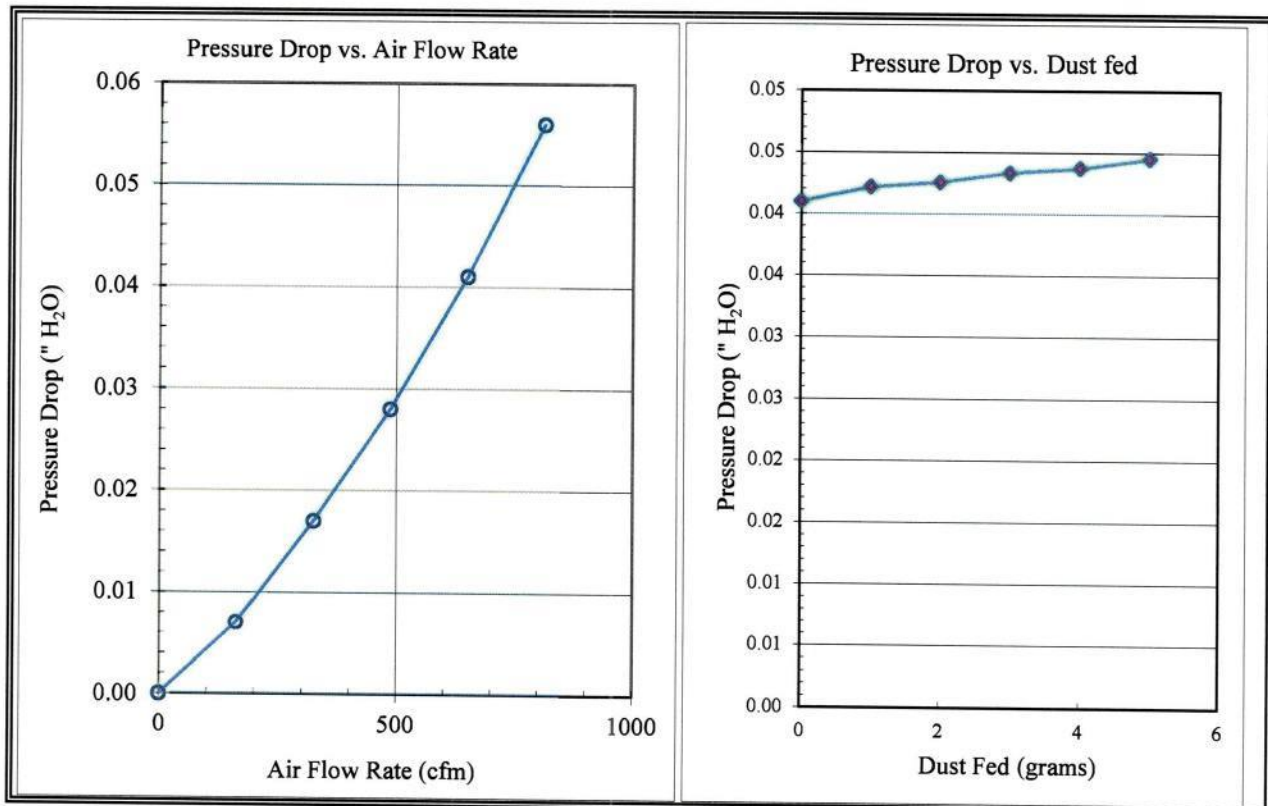
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Date:	November 9, 2025	Test Requested by :
Filter ID:	EAF	AirQuality Technology(Shanghai) Co., Ltd.
Test Type :	Pressure Drop of Clean Filter	Filter Manufacturer :
	For ASHRAE 52.2-2017 REP#7339	AirQuality Technology(Shanghai) Co., Ltd.

Flow Rate CFM	Flow Rate CMH	Δp pascal	Δp (in H ₂ O)	% of Rated Airflow	Dust fed	Pressure drop
0	0	0.00	0.000	0%	0.00	0.041
163	275	1.90	0.007	25%	1.00	0.042
325	550	4.10	0.017	50%	2.00	0.043
488	825	6.60	0.028	75%	3.00	0.043
650	1100	10.20	0.041	100%	4.00	0.044
813	1375	13.90	0.056	125%	5.00	0.044



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