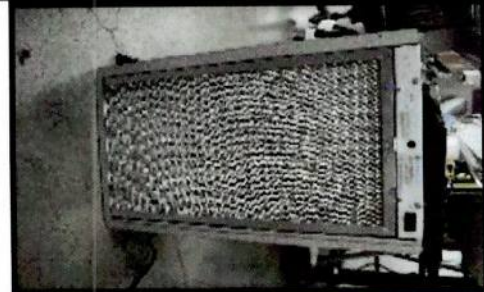


LMS TECHNOLOGIES, INC.

**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:	<u>AirQuality Technology(Shanghai) Co., L</u>	<u>Test Date: 10/8/2025</u>
Manufacturer:	<u>AirQuality Technology(Shanghai) Co., L</u>	<u>Report #: 7300</u>
Filter ID:	<u>FAH-G</u>	
Type of Media:	<u>Electrostatic</u>	
Dimensions inches:	<u>14.6" X 24" X 11"</u>	
Dimensions mm:	<u>370x610x280 mm</u>	
Filter Description:	<u>Electronic Air Cleaner</u>	
How Filter Obtained:	<u>Provided By AirQuality Technology(Shanghai) Co., Ltd.</u>	



Test Results

Test Air Flow Rate(CFM)/(CMH)	<u>1000 cfm / 1700 cmh</u>
Initial Resistance (in. WG)/(Pa)	<u>0.303" / 75.40 Pa</u>
Final Resistance (in. WG)/(Pa)	<u>0.316" / 78.63 Pa</u>
Minimum Efficiency Rating Value (MERV)	<u>MERV 16 @ 1000 cfm</u>
Minimum Average Efficiency 0.3 to 1.0 Microns (E1)	<u>96.7</u>
Minimum Average Efficiency 1.0 to 3.0 Microns (E2)	<u>99.5</u>
Minimum Average Efficiency 3.0 to 10 Microns (E3)	<u>100.0</u>
Dust Fed to Final Resistance (grams)	<u>10 grams</u>
Dust Holding Capacity (grams)	<u>8 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 52.1 Dust</u>
Test Aerosol:	<u>KCl, Neutralized</u>
LMS#:	<u>10435</u>

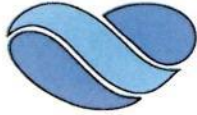
Data verified by LMS Calibration filter* Patent Pending

AFVoti
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LMS TECHNOLOGIES, INC.

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

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



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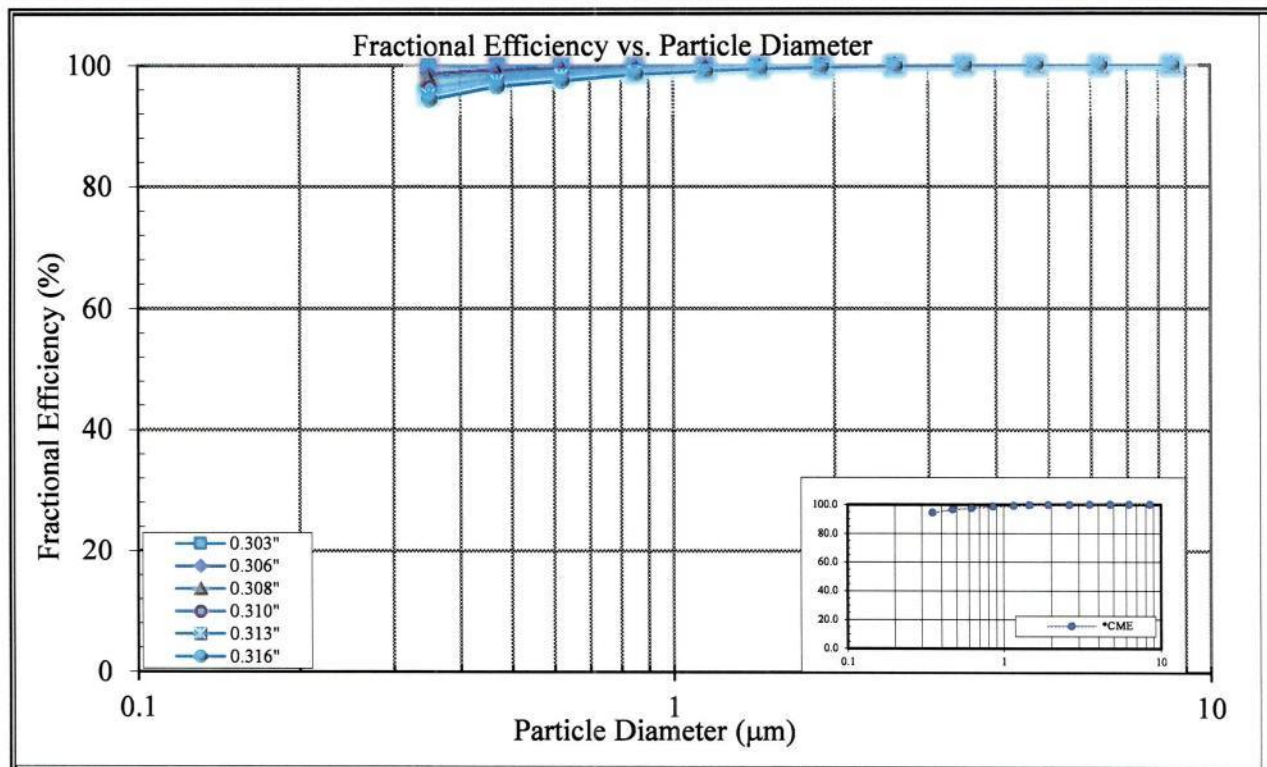
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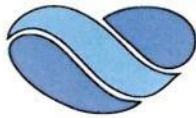
Date :	October 8, 2025	Requested by :	AirQuality Technology(Shanghai) Co., Ltd.
Filter ID:	FAH-G	Manufacturer :	AirQuality Technology(Shanghai) Co., Ltd.
Test Type :	52.2 - 2017		
Test Aerosol :	KCl, Neutralized		
Report #:	7300		

ΔP (" H ₂ O)	0.303"	0.306"	0.308"	0.310"	0.313"	0.316"	*CME
Size Range (μm)							
0.3-0.4	99.7	98.6	97.9	96.3	95.1	94.3	94.3
0.4-0.55	99.9	99.2	98.6	97.9	97.4	96.5	96.5
0.55-0.7	100.0	99.5	99.1	98.6	98.3	97.4	97.4
0.7-1.0	100.0	99.8	99.3	99.1	98.9	98.5	98.5
1.0-1.3	100.0	99.9	99.5	99.3	99.1	99.0	99.0
1.3-1.6	100.0	100.0	99.7	99.6	99.5	99.4	99.4
1.6-2.2	100.0	100.0	99.9	99.8	99.7	99.6	99.6
2.2-3.0	100.0	100.0	100.0	99.9	99.9	99.8	99.8
3.0-4.0	100.0	100.0	100.0	100.0	100.0	99.9	99.9
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



Test Engineer:
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Balakiyem Katanga

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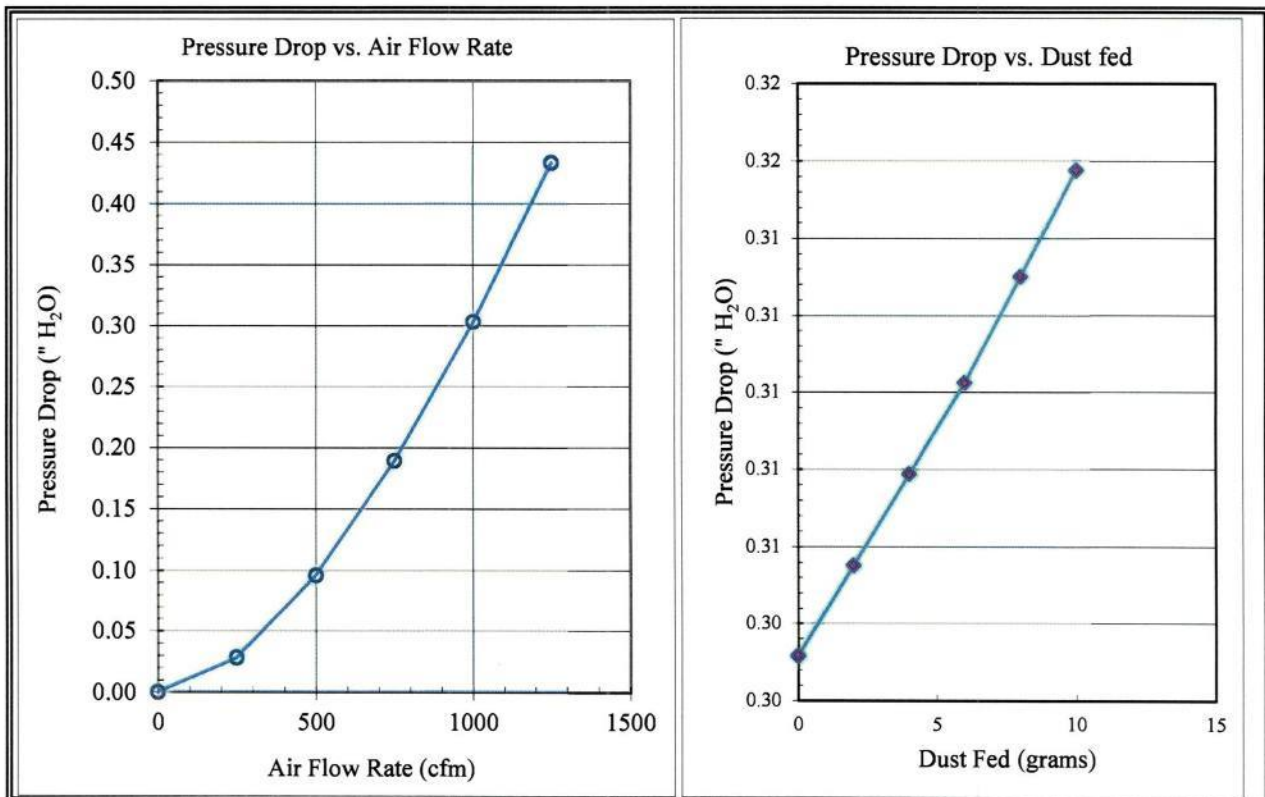
Minneapolis, MN 55439

Email: info@lmstechnology.com

Website: www.lmstechnologiesinc.com

Date:	October 8, 2025	Test Requested by :
Filter ID:	FAH-G	AirQuality Technology(Shanghai) Co., Ltd.
Test Type :	Pressure Drop of Clean Filter	Filter Manufacturer :
	For ASHRAE 52.2-2017 REP#7300	AirQuality Technology(Shanghai) Co., Ltd.

Flow Rate CFM	Flow Rate CMH	Δp (Pa)	Δp (in H ₂ O)	% of Rated Airflow	Dust fed	Pressure drop
0	0	0.00	0.000	0%	0.00	0.303
250	425	6.97	0.028	25%	2.00	0.306
500	850	23.89	0.096	50%	4.00	0.308
750	1275	47.03	0.189	75%	6.00	0.310
1000	1700	75.40	0.303	100%	8.00	0.313
1250	2125	107.75	0.433	125%	10.00	0.316



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