

LMS TECHNOLOGIES, INC.

6423 Cecilia Circle

Bloomington, MN 55439

Tel: (952) 918-9060

Fax: (952) 918-9061

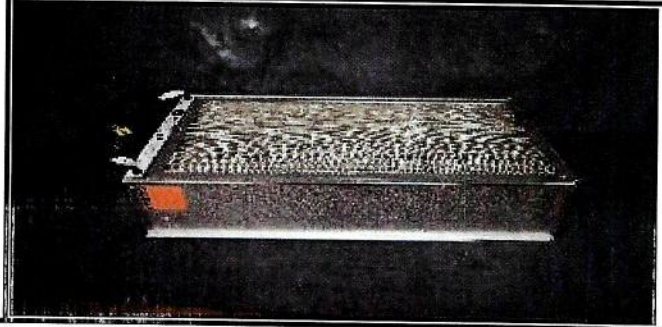
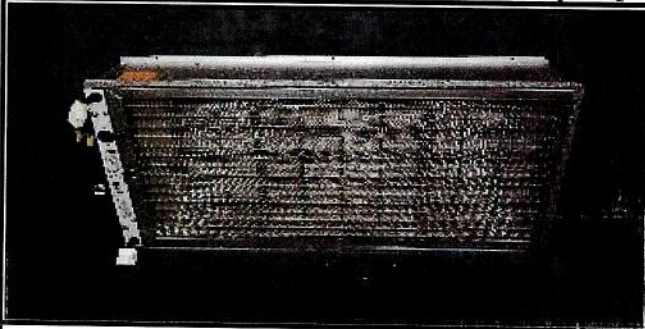
Test Report-ASHRAE Test Standard 52.2-2017 (New Classification)

Test Requested By: AirQuality Technology (Shanghi) Co, Ltd.
Manufacturer: AirQuality Technology (Shanghi) Co, Ltd.
Filter ID: Model FAH
Part #: N/A
Dimensions: 14" X 24" X 6"
Nominal 354 x 610 x 150 mm
Filter Description: MESP Air Cleaner
How Filter Obtained: Provided By AirQuality Technology (Shanghi) Co, Ltd.

Test Date: 2/20/2025

Report #: 6999

#VALUE!



Test Results

Test Air Flow Rate(CFM)	<u>1000 cfm</u>
Initial Resistance (in. WG)	<u>0.263"</u>
Final Resistance (in. WG)	<u>0.267"</u>
Minimum Efficiency Rating Value (MERV)	<u>MERV 16 @ 1000 cfm</u>
Minimum Average Efficiency 0.3 to 1.0 Microns (E1)	<u>95.1</u>
Minimum Average Efficiency 1.0 to 3.0 Microns (E2)	<u>98.1</u>
Minimum Average Efficiency 3.0 to 10 Microns (E3)	<u>98.9</u>
Dust Fed to Final Resistance (grams)	<u>15 grams</u>
Dust Holding Capacity (grams)	<u>13.7 grams</u>
Arrestance:	<u>91.3%</u>

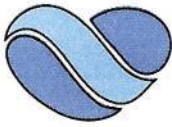
Test Description

Temp & Humidity: 70° F @ 40%
Particle Analysis: Met One 3400
Test Dust: ASHRAE Dust with no carbon
Test Aerosol: KCl, Neutralized
LMS#: 9698

Data verified by LMS Calibration filter* Patent Pending

CERTIFIED COPY
LMS TECHNOLOGIES, INC.

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

**LMS TECHNOLOGIES, INC.**

6423 Cecilia Circle

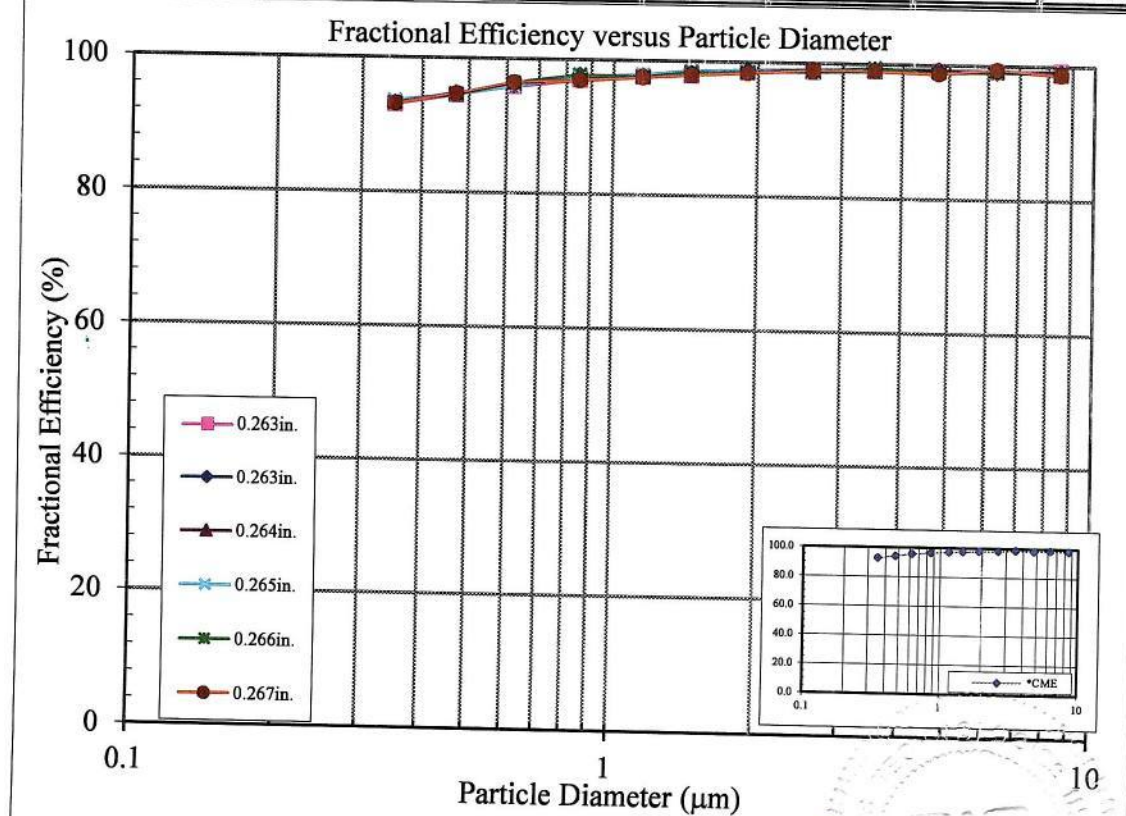
Bloomington, MN 55439

Tel: (952) 918-9060

Fax: (952) 918-9061

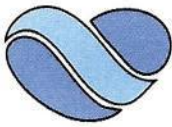
Date :	February 20, 2025	Requested by :
Filter ID:	Model FAH	AirQuality Technology (Shanghi) Co, Ltd.
Test Type :	52.2 - 2017	Manufacturer :
Test Aerosol :	KCl, Neutralized	AirQuality Technology (Shanghi) Co, Ltd.
Report #:	6999	

ΔP (" H ₂ O)	0.263in.	0.263in.	0.264in.	0.265in.	0.266in.	0.267in.	*CME
Size Range (μm)							
0.3-0.4	93.0	93.1	93.3	93.5	93.2	93.1	93.0
0.4-0.55	94.5	94.8	94.6	94.5	94.6	94.7	94.5
0.55-0.7	95.9	96.0	96.1	95.9	96.4	96.5	95.9
0.7-1.0	97.0	97.7	97.4	97.5	97.7	96.9	96.9
1.0-1.3	97.6	97.5	97.8	97.9	97.6	97.5	97.5
1.3-1.6	98.1	98.3	97.9	98.6	98.4	98.0	97.9
1.6-2.2	98.5	98.8	98.6	98.8	98.5	98.4	98.4
2.2-3.0	98.8	99.0	98.7	98.6	98.8	98.9	98.6
3.0-4.0	99.0	99.2	99.0	99.0	99.4	99.0	99.0
4.0-5.5	99.1	99.3	99.2	99.0	98.9	98.7	98.7
5.5-7.0	99.2	99.0	99.3	99.0	99.0	99.4	99.0
7.0-10.0	99.3	99.1	98.8	99.0	99.0	98.7	98.7

**CERTIFIED COPY**
LMS TECHNOLOGIES, INC.

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

Engineering Approval:
K C Kwong DU N

**LMS TECHNOLOGIES, INC.**

6423 Cecilia Circle

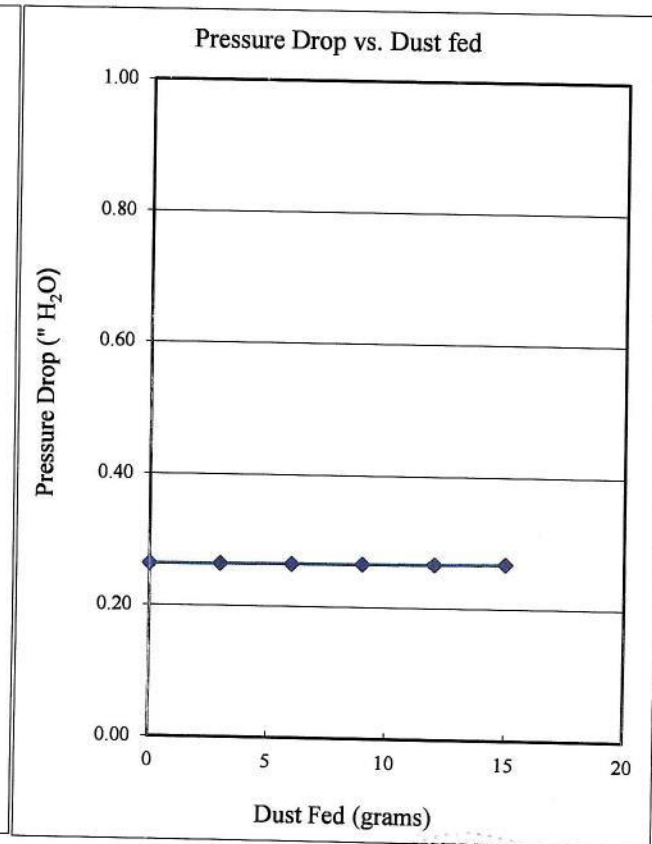
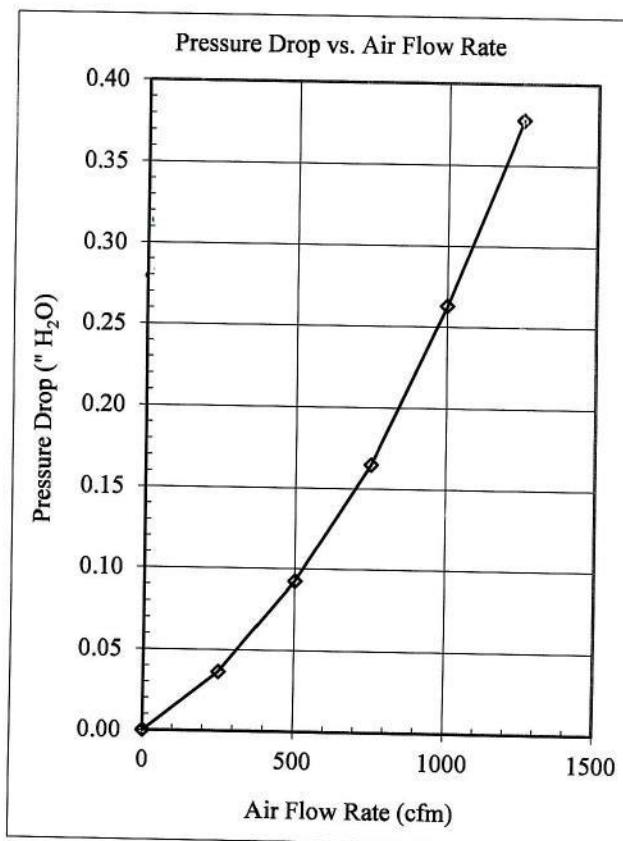
Bloomington, MN 55439

Tel: (952) 918-9060

Fax: (952) 918-9061

Date:	February 20, 2025	Test Requested by :
Filter ID:	Model FAH	AirQuality Technology (Shanghi) Co, Ltd.
Test Type :	Pressure Drop of Clean Filter	Filter Manufacturer :
	For ASHRAE 52.2-2017	AirQuality Technology (Shanghi) Co, Ltd.
	REP#6999	

Flow Rate CFM	Flow Rate CMH	Δp (mm H ₂ O)	Δp (in H ₂ O)	% of Rated Airflow	Dust fed	Pressure drop
0	0	0.00	0.000	0%	0.00	0.263
250	425	0.93	0.037	25%	3.00	0.263
500	850	2.35	0.093	50%	6.00	0.264
750	1275	4.19	0.165	75%	9.00	0.265
1000	1700	6.68	0.263	100%	12.00	0.266
1250	2125	9.60	0.378	125%	15.00	0.267

**CERTIFIED COPY**
LMS TECHNOLOGIES, INC.

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

Engineering Approval:
K. C. Kwong, P. B. Best