

LMS TECHNOLOGIES, INC.

6423 Cecilia Circle

Bloomington, MN 55439

(952) 918-9060, Fax: (952) 918-9061

Test Report-ASHRAE Test Standard 52.2

Test Requested By:	<u>SAN HUEI UNITED CO., LTD.</u>	Report # 423: Test Date: 02/20/03
Manufacturer:	<u>SAN HUEI UNITED CO., LTD.</u>	
Product Name:	<u>Green Bag Filter</u>	
Model Number:	<u>TPB-65-30/8</u>	
Dimensions:	<u>60 cmX 60 cmX 75 cm</u>	
Number of Pockets:	<u>8 Pockets</u>	
Filter Description:	<u>Green synthetic bag filter</u>	
How Filter Obtained:	<u>Provided by manufacturer</u>	

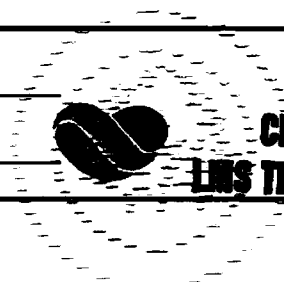
Test Results

Test Air Flow Rate(CFM)/Velocity (FPM)	<u>1968cfm/492fpm</u>
Initial Resistance (in. WG)	<u>0.303</u>
Final Resistance (in. WG)	<u>1.0</u>
Minimum Efficiency Rating Value (MERV)	<u>MERV 11 @ 1968cfm</u>
Minimum Average Efficiency 0.3 to 1.0 Microns (E1)	<u>47.4</u>
Minimum Average Efficiency 1.0 to 3.0 Microns (E2)	<u>74.3</u>
Minimum Average Efficiency 3.0 to 10.0 Microns (E)	<u>91</u>
Dust Fed to Final Resistance(grams)	<u>347.0grams</u>

Test Description

Temp & Humidity:	<u>70 @ 35%</u>
Particle Analysis:	<u>Hiac/Royco FE-80</u>
Test Dust:	<u>ASHRAE 52.1 Dust</u>
Test Aerosol:	<u>KCL Neutralized</u>

Test Technician:	<u>Mick Flom</u>
Approved By:	<u>K. C. Kwok, Ph.D.</u>



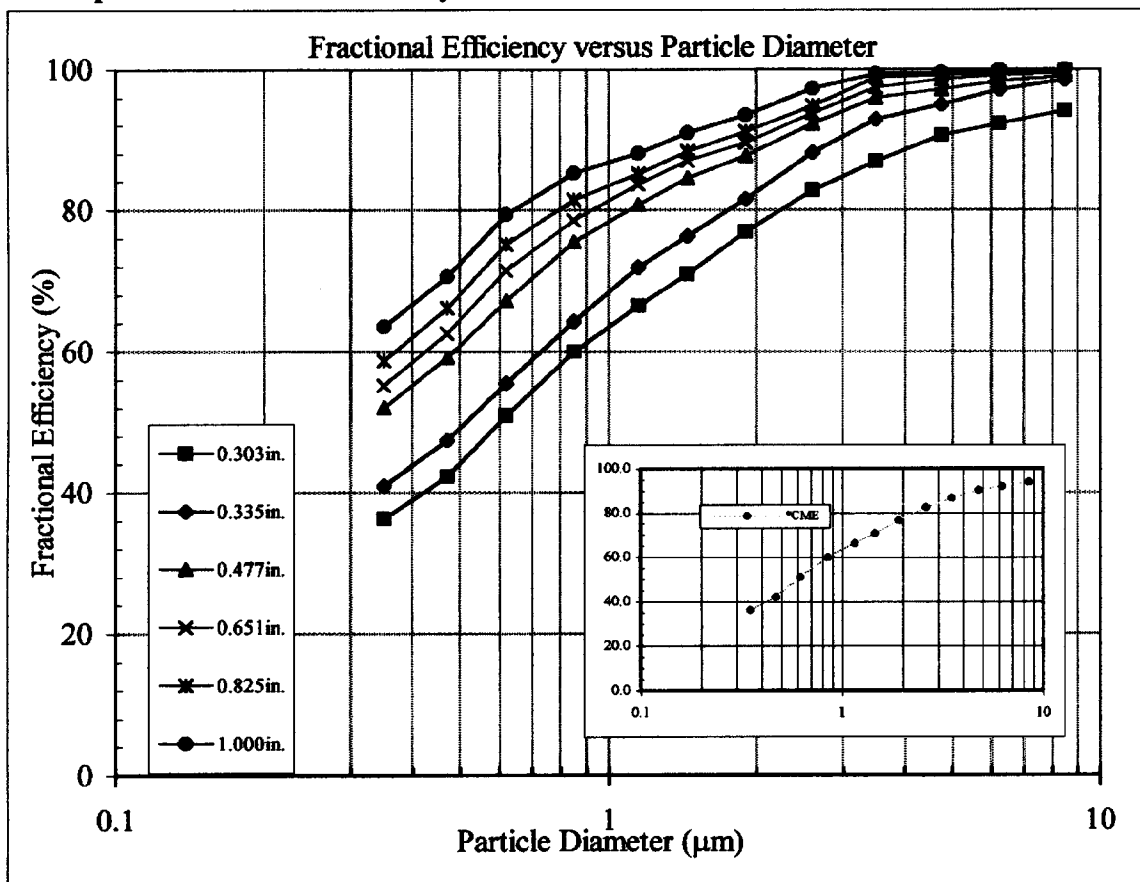
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LMS TECHNOLOGIES, INC.

LMS Technologies, Inc.
P.O. Box 24185, Edina, MN 55424
(612) 918-9060, Fax: (612) 918-9061

Date :	February 20, 2003	Requested by :	SAN HUEI UNITED CO., LTD.
Filter ID :	TPB-65-30/8	Manufacturer :	SAN HUEI
Test Type :	52.2 REP# 423	Flow Rate :	1968cfm
Test Aerosol :	KCl, Neutralized		

ΔP (" H ₂ O)	0.303in.	0.335in.	0.477in.	0.651in.	0.825in.	1.000in.	*CME
Size Range (μm)	Fractional Efficiency (%)						
0.3-0.4	36.3	41.0	52.1	55.3	58.8	63.6	36.3
0.4-0.55	42.3	47.5	59.2	62.6	66.2	70.6	42.3
0.55-0.7	51.0	55.5	67.2	71.5	75.2	79.4	51.0
0.7-1.0	60.0	64.3	75.5	78.6	81.5	85.3	60.0
1.0-1.3	66.5	71.9	80.8	83.7	85.2	88.1	66.5
1.3-1.6	71.0	76.3	84.6	87.0	88.3	91.0	71.0
1.6-2.2	76.9	81.6	87.7	89.6	91.1	93.5	76.9
2.2-3.0	82.8	88.2	92.3	93.8	94.8	97.3	82.8
3.0-4.0	86.9	92.9	96.0	97.5	98.9	99.4	86.9
4.0-5.5	90.6	95.0	97.2	98.6	99.2	99.6	90.6
5.5-7.0	92.3	97.1	98.3	99.2	99.6	100.0	92.3
7.0-10.0	94.1	98.5	99.0	99.5	99.9	100.0	94.1

*Composite Minimum Efficiency



TEST SUPERVISOR
MICK FLOM _____

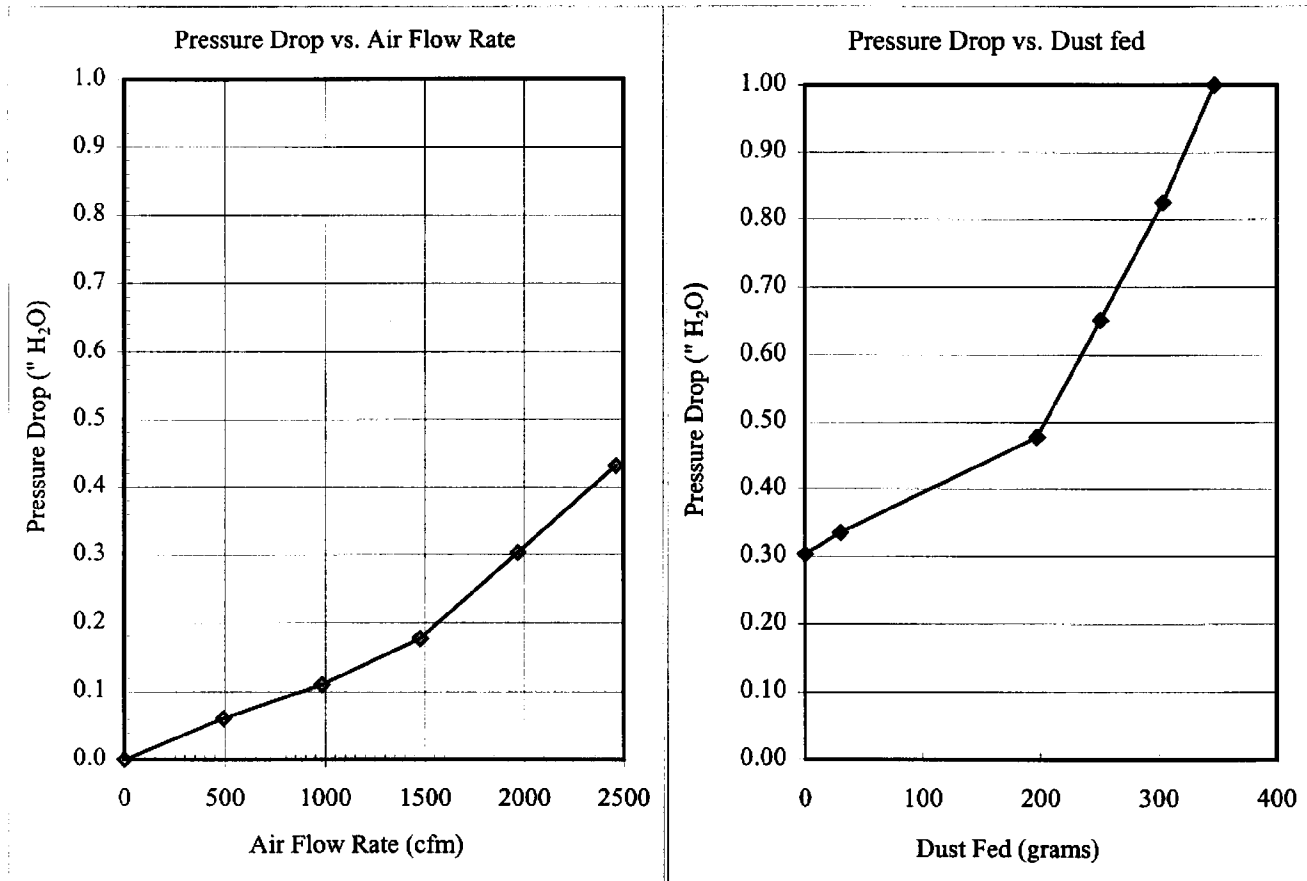
ENGINEERING APPROVAL
K.C. KWOK, PH.D. _____

LMS Technologies, Inc.
6423 Cecilia Circle, Bloomington, MN 55439
(952) 918-9060, Fax: (952) 918-9061

Date: February 20, 2003 Filter ID : TPB-65-30/8 Test Type : Pressure Drop of Clean Filter for ASHRAE 52.2 REP# 423	Test Requested by : SAN HUEI UNITED CO., LTD. Filter Manufacturer : SAN HUEI UNITED CO., LTD.
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Flow Rate (CFM)	Velocity FPM	dP (mm H ₂ O)	Pressure drop ("H ₂ O)	% of Rated Airflow	Dust fed	Pressure drop
0	0	0.00	0.000	0%	0.00	0.303
492	123	1.55	0.061	25%	30.00	0.335
984	246	2.80	0.110	50%	197.00	0.477
1476	369	4.50	0.177	75%	250.80	0.651
1968	492	7.70	0.303	100%	303.50	0.825
2460	615	10.95	0.431	125%	347.00	1.000

52.2P (sec.9.4)



TEST SUPERVISOR
 MICK FLOM _____

ENGINEERING APPROVAL
 K.C.KWOK PH.D. _____

DPI