

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 #: 421
		Test Date: 02/18/03
Manufacturer:	<u>SAN HUEI UNITED CO., LTD.</u>	
Product Name:	<u>Yellow Bag</u>	
Model Number:	<u>TPB-95-30/8</u>	
Dimensions:	<u>60 cmX 60 cmX 75 cm</u>	
Number of Pockets:	<u>8 Pockets</u>	
Filter Description:	<u>Yellow synthetic bag filter</u>	
How Filter Obtained:	<u>Provided by manufacturer</u>	

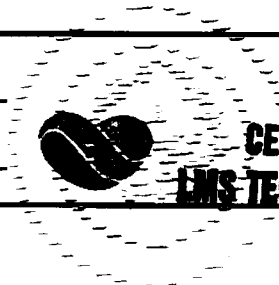
Test Results

Test Air Flow Rate(CFM)/Velocity (FPM)	<u>1968cfm/492fpm</u>
Initial Resistance (in. WG)	<u>0.25</u>
Final Resistance (in. WG)	<u>1.4</u>
Minimum Efficiency Rating Value (MERV)	<u>MERV 14 @ 1968cfm</u>
Minimum Average Efficiency 0.3 to 1.0 Microns (E1)	<u>77.7</u>
Minimum Average Efficiency 1.0 to 3.0 Microns (E2)	<u>93</u>
Minimum Average Efficiency 3.0 to 10.0 Microns (E)	<u>98.7</u>
Dust Fed to Final Resistance(grams)	<u>266.0grams</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>



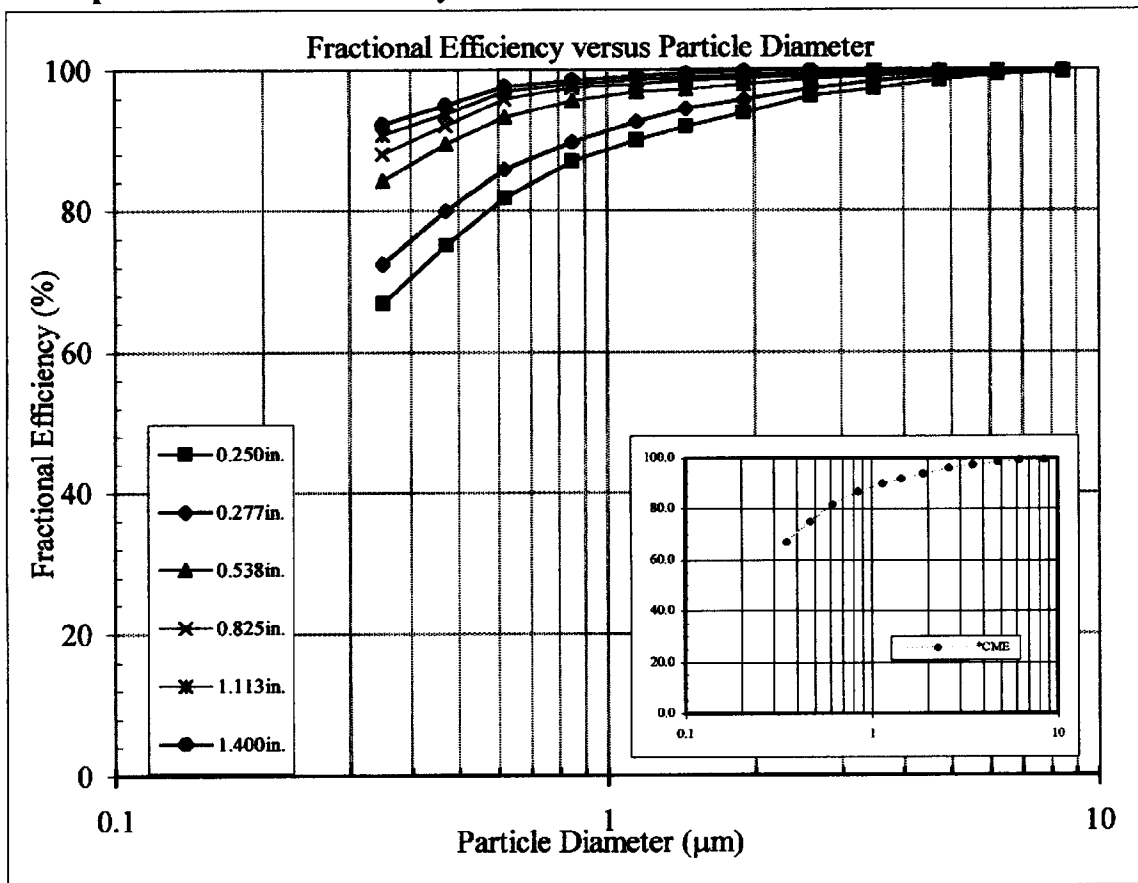
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LMS TECHNOLOGIES, INC.

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

Date :	February 18, 2003	Requested by :	SAN HUEI UNITED CO., LTD.
Filter ID :	TPB-95-30/8	Manufacturer :	SAN HUEI
Test Type :	52.2 REP# 421	Flow Rate:	1968cfm
Test Aerosol :	KCL, Neutralized		

ΔP (" H ₂ O)	0.250in.	0.277in.	0.538in.	0.825in.	1.113in.	1.400in.	*CME
Size Range (μm)	Fractional Efficiency (%)						
0.3-0.4	66.9	72.5	84.3	88.1	90.8	92.3	66.9
0.4-0.55	75.1	80.0	89.5	92.1	93.8	95.0	75.1
0.55-0.7	81.8	85.9	93.3	95.9	96.9	97.6	81.8
0.7-1.0	87.0	89.7	95.6	97.5	98.0	98.5	87.0
1.0-1.3	90.0	92.6	96.8	98.0	98.6	99.1	90.0
1.3-1.6	91.9	94.5	97.2	98.4	98.9	99.5	91.9
1.6-2.2	93.9	95.7	97.9	98.8	99.2	99.8	93.9
2.2-3.0	96.2	97.3	98.7	99.1	99.5	100.0	96.2
3.0-4.0	97.3	98.3	99.1	99.6	99.9	100.0	97.3
4.0-5.5	98.5	99.1	99.5	99.8	100.0	100.0	98.5
5.5-7.0	99.3	99.5	99.9	100.0	100.0	100.0	99.3
7.0-10.0	99.6	99.9	100.0	100.0	100.0	100.0	99.6

*Composite Minimum Efficiency



TEST SUPERVISOR
MICK FLOM _____

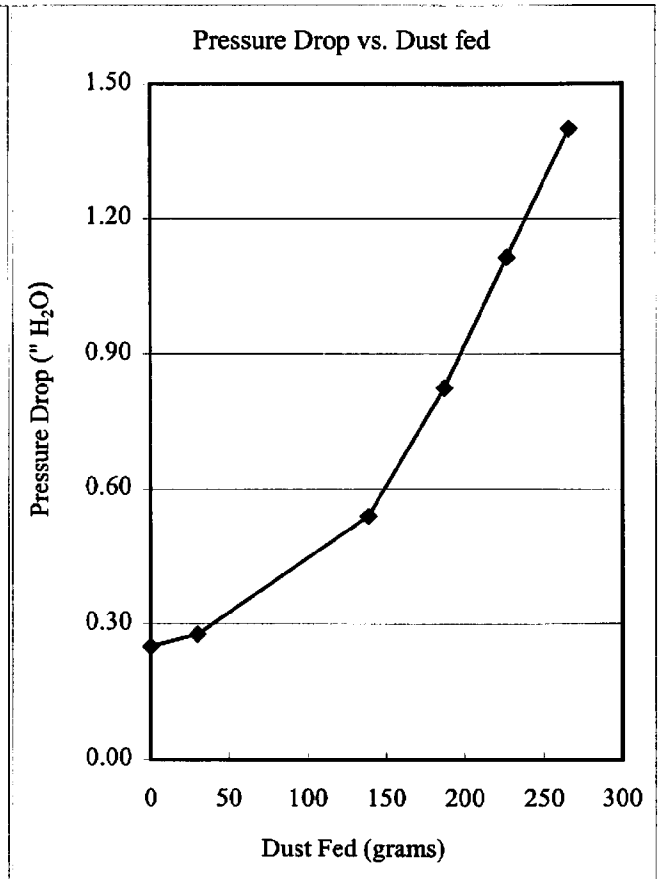
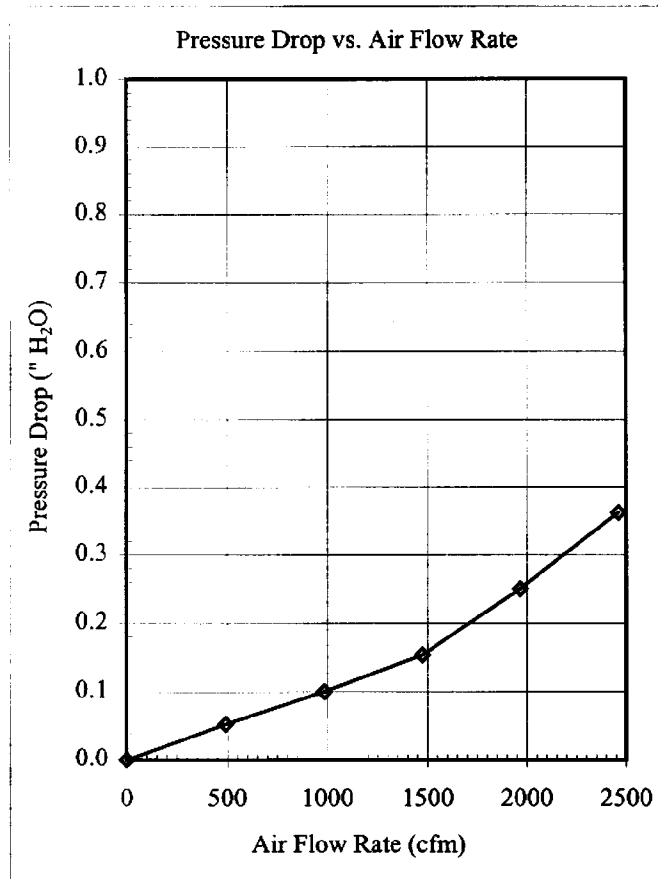
ENGINEERING APPROVAL
K.C. KWOK, PH.D. _____

LMS Technologies, Inc.
6423 Cecilia Circle, Bloomington, MN 55439
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Date: February 18, 2003 Filter ID : TPB-95-30/8 Test Type : Pressure Drop of Clean Filter for ASHRAE 52.2 REP# 421	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 H2O)	Pressure drop ("H2O)	% of Rated Airflow	Dust fed	Pressure drop
0	0	0.00	0.000	0%	0.00	0.250
492	123	1.35	0.053	25%	30.00	0.277
984	246	2.55	0.100	50%	138.80	0.538
1476	369	3.90	0.154	75%	187.20	0.825
1968	492	6.35	0.250	100%	226.60	1.113
2460	615	9.20	0.362	125%	266.00	1.400

52.2P (sec.9.4)



TEST SUPERVISOR
 MICK FLOM _____

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

DPI