

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 #: 422 Test Date: 02/19/03
Manufacturer:	<u>SAN HUEI UNITED CO., LTD></u>	
Product Name:	<u>Pink Bag</u>	
Model Number:	<u>TPB-85-30/8</u>	
Dimensions:	<u>60 cmX 60 cmX 75 cm</u>	
Number of Pockes:	<u>8 Pockets</u>	
Filter Description:	<u>Pink synthetic pleat filter</u>	
How Filter Obtained:	<u>Provided by manufacturer</u>	

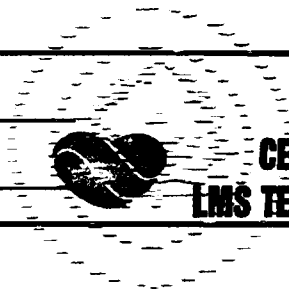
Test Results

Test Air Flow Rate(CFM)/Velocity (FPM)	<u>1968cfm/492fpm</u>
Initial Resistance (in. WG)	<u>0.307</u>
Final Resistance (in. WG)	<u>1.2</u>
Minimum Efficiency Rating Value (MERV)	<u>MERV 12 @ 1968cfm</u>
Minimum Average Efficiency 0.3 to 1.0 Microns (E1)	<u>65.4</u>
Minimum Average Efficiency 1.0 to 3.0 Microns (E2)	<u>87.3</u>
Minimum Average Efficiency 3.0 to 10.0 Microns (E)	<u>96.9</u>
Dust Fed to Final Resistance(grams)	<u>258.8grams</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>



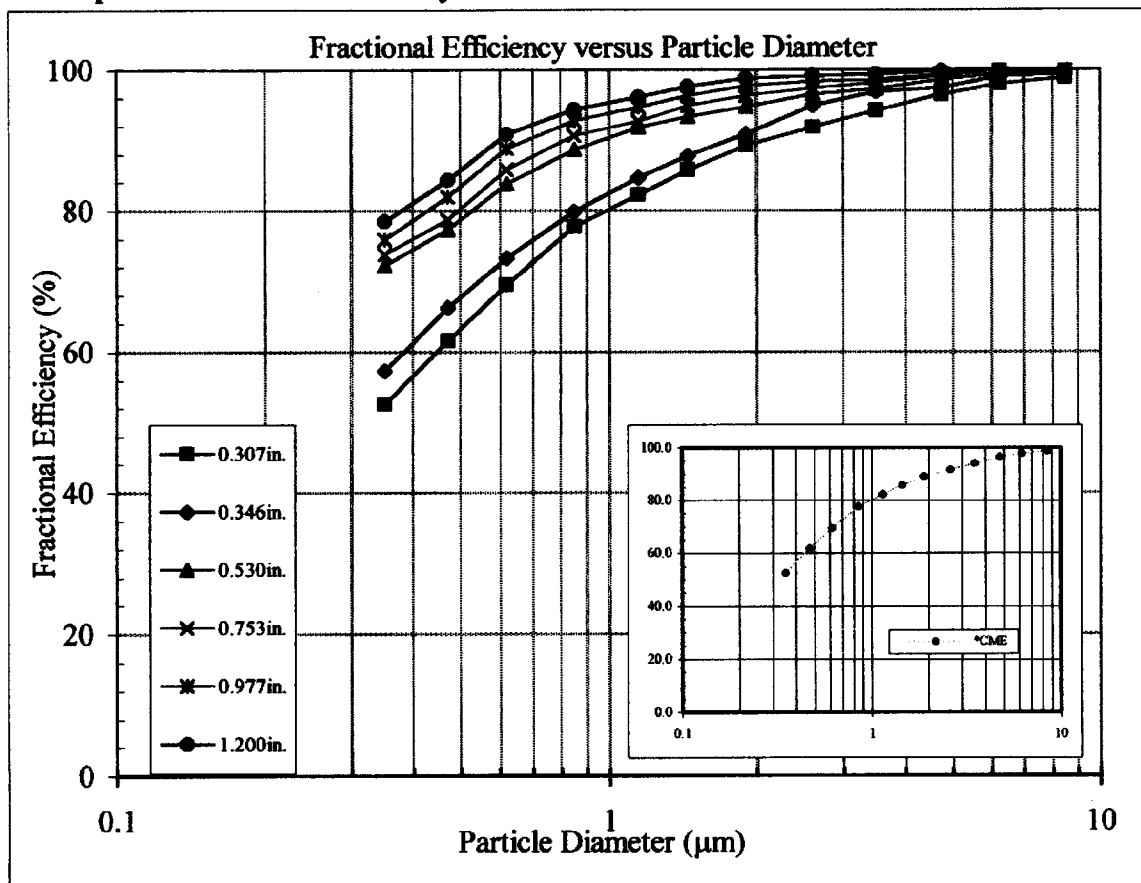
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LMS TECHNOLOGIES, INC.

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

Date :	February 19, 2003	Requested by :	SAN HUEI UNITED CO., LTD.
Filter ID :	TPB-85-30/8	Manufacturer :	SAN HUEI
Test Type :	52.2 REP# 422	Flow Rate:	1968cfm
Test Aerosol :	KCl, Neutralized		

ΔP (" H ₂ O)	0.307in.	0.346in.	0.530in.	0.753in.	0.977in.	1.200in.	*CME
Size Range (μm)	Fractional Efficiency (%)						
0.3-0.4	52.6	57.4	72.3	73.9	76.0	78.5	52.6
0.4-0.55	61.7	66.3	77.4	78.8	82.0	84.4	61.7
0.55-0.7	69.6	73.3	83.9	85.9	88.9	90.9	69.6
0.7-1.0	77.8	79.9	88.7	90.7	92.8	94.4	77.8
1.0-1.3	82.3	84.7	91.8	92.7	94.7	96.1	82.3
1.3-1.6	85.8	87.8	93.3	94.9	96.3	97.6	85.8
1.6-2.2	89.2	90.9	94.7	96.3	97.7	98.8	89.2
2.2-3.0	91.8	94.9	96.5	97.4	98.3	99.1	91.8
3.0-4.0	94.2	96.8	97.3	98.2	98.6	99.4	94.2
4.0-5.5	96.5	97.5	98.6	99.1	99.3	99.8	96.5
5.5-7.0	98.0	99.0	99.5	100.0	100.0	100.0	98.0
7.0-10.0	98.9	99.5	99.9	100.0	100.0	100.0	98.9

*Composite Minimum Efficiency



TEST SUPERVISOR
MICK FLOM _____

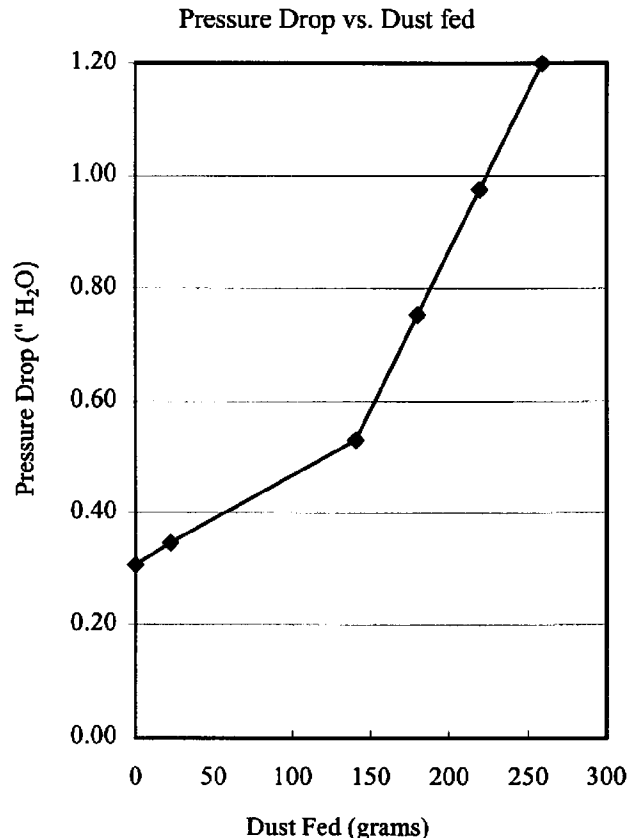
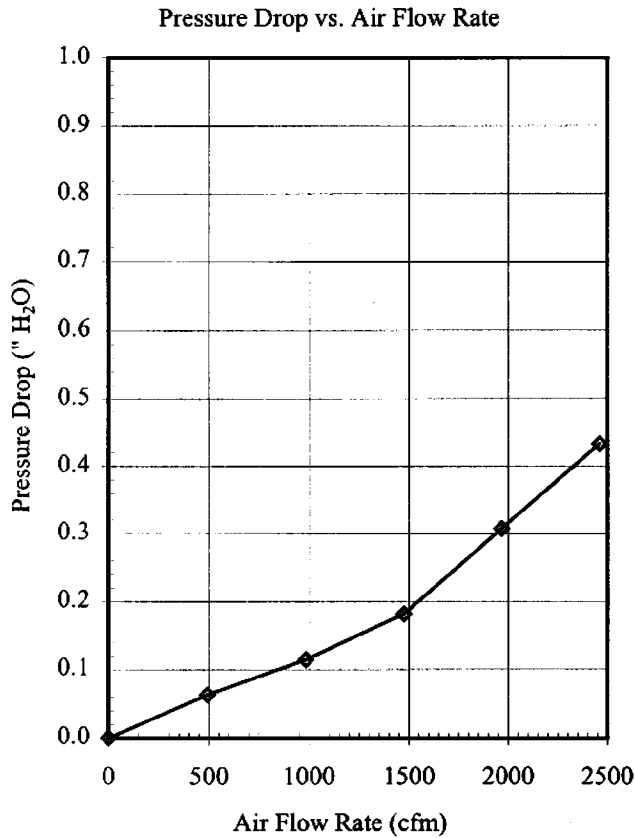
ENGINEERING APPROVAL
K.C. KWOK, PH.D. _____

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

Date: February 19, 2003 Filter ID : TPB-85-30/8 Test Type : Pressure Drop of Clean Filter for ASHRAE 52.2 REP# 422	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	0.307
492	23	1.60	0.063	25%	22.40	0.346
984	246	2.90	0.114	50%	140.60	0.530
1476	369	4.60	0.181	75%	180.00	0.753
1968	492	7.80	0.307	100%	219.40	0.976
2460	615	11.00	0.433	125%	258.80	1.200

52.2P (sec.9.4)



TEST SUPERVISOR
 MICK FLOM _____

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

DPI