

September 14, 2005

## INITIAL 52.2 TEST REPORT

### LMS Technologies, Inc.

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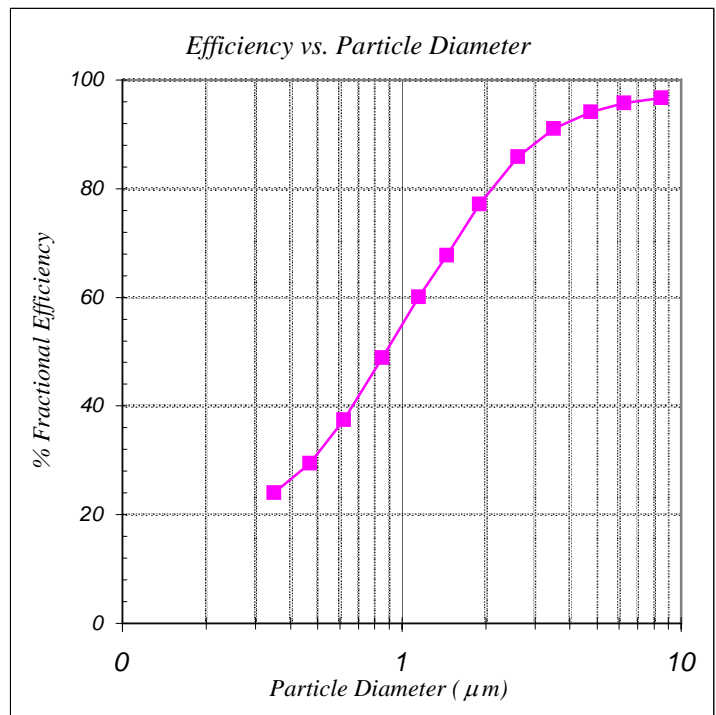
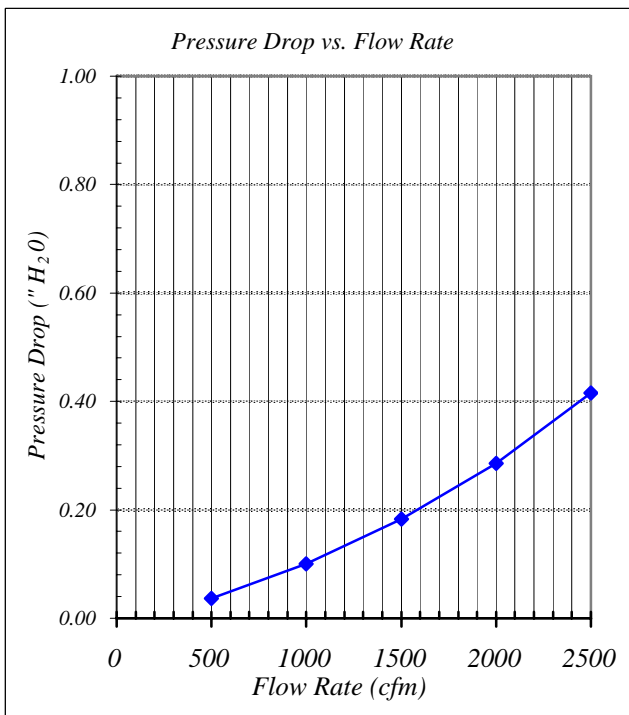
**Test Type :** Fractional Efficiency  
**Test Number:** T090405C  
**Flow Rate/Velocity:** 2000cfm  
**Test Aerosol:** KCL Neutralized  
**Filter size:** 24x2412 V-Panel

**Test Requested by:** AAF International  
**Media Manufacturer:**  
**Filter Manufacturer:**  
**Media/Filter ID Number:** Varicel VXL MERV 11  
301843-012

Flow Rate (cfm)	DP "H <sub>2</sub> O
500.0	0.037
1000.0	0.100
1500.0	0.183
2000.0	0.285
2500.0	0.416

Size Range (mm)	Initial Fractional Efficiency(%)
0.3-0.4	24.0
0.4-0.55	29.4
0.55-0.7	37.4
0.7-1.0	48.9
1.0-1.3	60.1
1.3-1.6	67.7
1.6-2.2	77.1
2.2-3.0	85.9
3.0-4.0	91.1
4.0-5.5	94.1
5.5-7.0	95.8
7.0-10.0	96.7

Based on initial efficiencies, Minimum Efficiency Reporting Value (MERV) = 11



TEST SUPERVISOR  
MICK FLOM \_\_\_\_\_

ENGINEERING APPROVAL  
K.C. KWOK, PH.D. \_\_\_\_\_