LAB REPORT#: **LR101513-1**

NIOSH Protocol

Product code	See Notes
Tested date	10/15/2013
Weather	58° F
Lab temperature	70.2° F
Lab humidity	28.30%
Number of samples	5 Each
Measuring Instrument(s)	TSI8130 Using 0.1 Micron Particle NaCl. on 100 cm^2 chuck

Sample No.	Sample weight(g) 6" x 6"	Weight (g/m2)	CFM	**Pressure Drop@32 L/min]** (mm H_2O)	**NaCl Efficiency [32 L/min] Tested area =100cm2** Efficiency (%)	Penetration (%)	Note
1	5.50	232.43		5.00	99.95	0.047	**FiltreX**
2	5.40	228.20		4.70	99.94	0.065	
3	5.40	228.20		4.90	99.94	0.060	Sonic Bonded
4	5.30	223.98		4.80	99.94	0.064	
5	5.30	223.98		5.30	99.95	0.046	
AVG	**5.38**	**227.36**		**4.94**	**99.94**	**0.056**	<1% Penetration @ 0.1 micron = N99
Requirements							
MAX							
MIN							
AVG							
Std deviation							
AVG+3*k*stdd							
AVG-3*k*stdd							