Appendix 1

Initial efficiency and pressure drop

Test no: SP201112141
Test aerosol: DEHS
Tested item: Filter media, Product number: 42720004
Air flow rate: 16.2 l/s
Media velocity: 0.175 m/s
Size of material sample: 924 cm²

Particle size µm		Sample 1	Sample 2	Average
		Initial efficiency %		
Interval	Mean	Pressure drop 1211 Pa	1182 Pa	1197 Pa
0.10 - 0.12	0.11	99.984 ± 0.005	99.970 ± 0.002	99.977
0.12 - 0.15	0.13	99.986 ± 0.002	99.979 ± 0.003	99.982
0.15 - 0.20	0.17	99.987 ± 0.001	99.983 ± 0.002	99.985
0.20 - 0.25	0.22	99.989 ± 0.001	99.985 ± 0.002	99.987
0.25 - 0.35	0.30	99.991 ± 0.002	99.991 ± 0.002	99.991
0.35 - 0.45	0.40	99.993 ± 0.001	99.995 ± 0.001	99.994
0.45 - 0.60	0.52	99.996 ± 0.001	99.998 ± 0.001	99.997
0.60 - 0.75	0.67	99.997 ± 0.001	99.999 ± 0.001	99.998
0.75 - 1.00	0.87	99.999 ± 0.001	100.000 ± 0.000	99.999
1.00 - 1.50	1.22	99.998 ± 0.002	100.000 ± 0.000	99.999
1.50 - 2.00	1.73	99.999 ± 0.003	100.000 ± 0.001	99.999
2.00 - 3.00	2.45	100.000 ± 0.000	100.000 ± 0.000	100.000
NOTE	The uncertainty of the measured efficiencies is reported on a 95 % confidence level.			

Comment: The results indicates that this filter media has a filtration efficiency corresponding filter class H13. (H13: MPPS ≥ 99,95%)