

EN-1822:2009 FLAT SHEET MEDIA TEST REPORT Efficiency / MPPS / Resistance



Aeris Health Inc.
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MEDIA INFORMATION

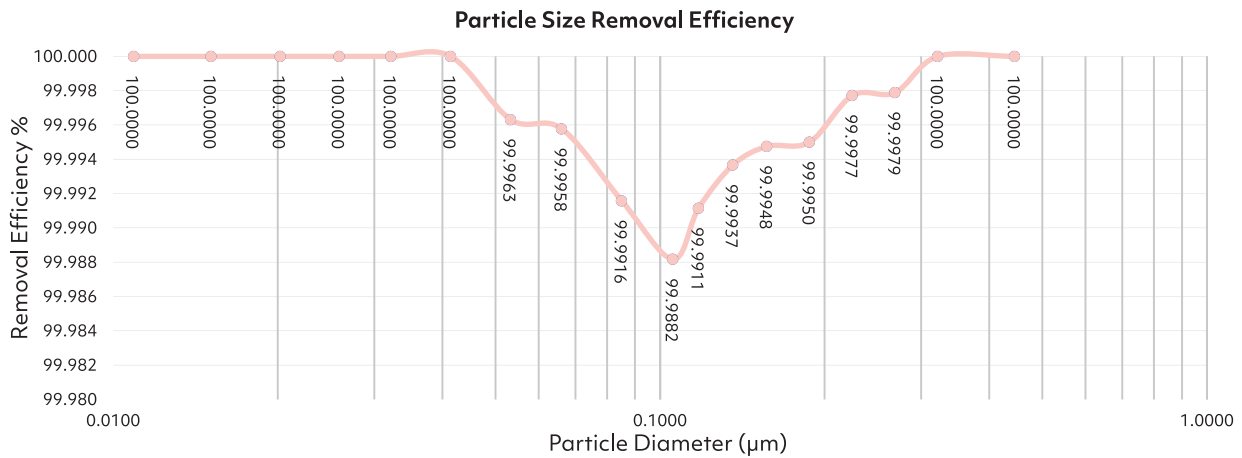
Manufacturer: Aeris Cleantec AG
Part Number / Media Identification: aeris MEMBRANE H13
Nominal Dimensions: 8.0" x 10.0"
Media Type: Aeris Nano H13

TEST CONDITIONS (FPM)

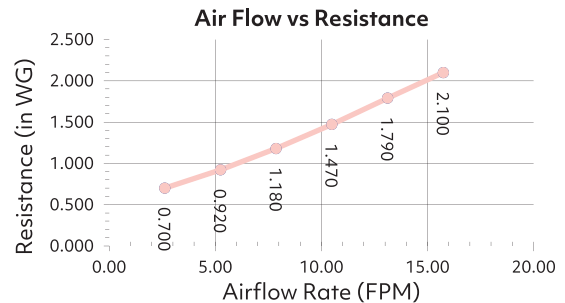
Test Air Flow Rate (FPM): 10.5 (5.3 cm/sec)
Challenge Aerosol: DEHS
Particulate Measurement Equipment: TSI 3080 Classifier / TSI 3772 Counter
Test Air Temperature (°F): 72
Relative Humidity (%): 49.2
Barometric Pressure (Inches Hg): 29.49

TEST RESULTS

Initial Resistance ("WG): 1.470
MPPS Determination (µm): 0.1055
Efficiency at MPPS (%): 99.988
Projected Rating (Min.Integral for E14=99.995%): H13



Media Resistance	Air Flow (FPM)	Resistance (in WG)
	2.63	0.700
	5.25	0.920
	7.88	1.180
Test Flow Rate	10.50	1.470
	13.13	1.790
	15.75	2.100



Requester Information

Test Performed by: Maximilian Frisch

Completion Date : 10/6/2020

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DATA - Initial Resistance

Air Flow (FPM)	Resistance (in WG)
2.63	0.700
5.25	0.920
7.88	1.180
10.50	1.470
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15.75	2.100



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DATA - Particle Removal Efficiency

Particle Size Range (μm)	MPPS	Particle Removal Efficiency (μm) (%)
10.90		0.0109 100.0000
15.10		0.0151 100.0000
20.20		0.0202 100.0000
25.90		0.0259 100.0000
32.20		0.0322 100.0000
41.40		0.0414 100.0000
53.30		0.0533 99.9963
66.10		0.0661 99.9958
85.10		0.0851 99.9916
105.50	MPPS	0.1055 99.9982
117.60		0.1176 99.9911
135.80		0.1358 99.9937
156.80		0.1568 99.9948
187.70		0.1877 99.9950
224.70		0.2247 99.9977
269.00		0.2690 99.9979
322.00		0.3220 100.0000
445.10		0.4451 100.0000