

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



Aeris Health Inc.
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MEDIA INFORMATION

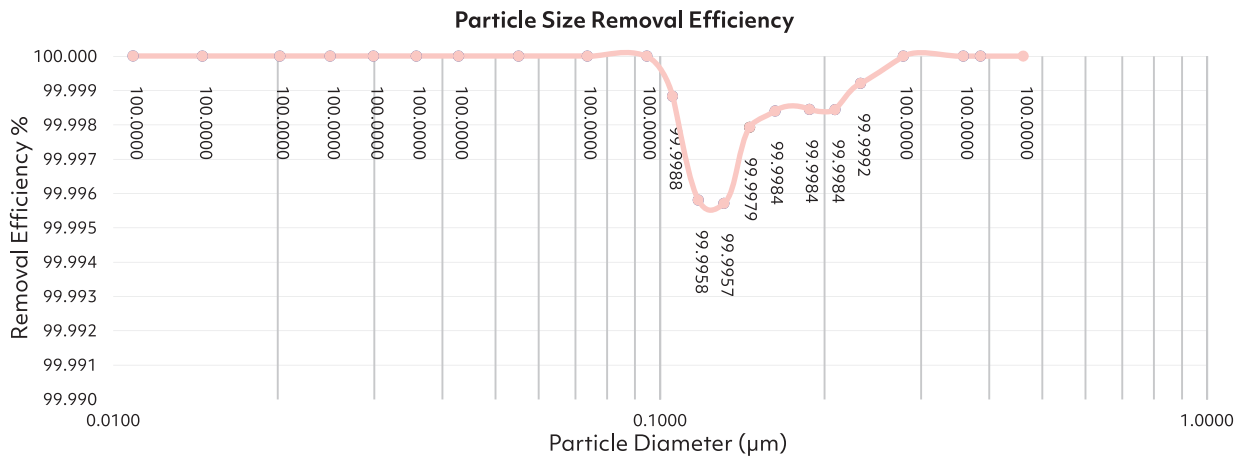
Manufacturer: Aeris Cleantec AG
Part Number / Media Identification: aeris MEMBRANE H14
Nominal Dimensions: 8.0" x 10.0"
Media Type: Aeris Nano H14

TEST CONDITIONS (FPM)

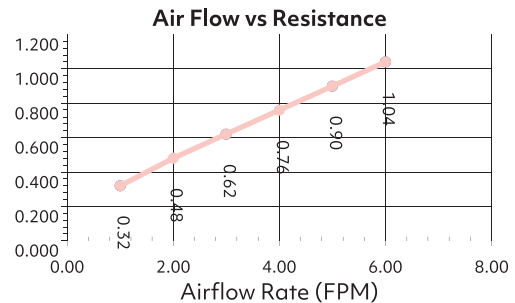
Test Air Flow Rate (FPM): 4
Challenge Aerosol: DEHS
Particulate Measurement Equipment: TSI 3080 Classifier / TSI 3772 Counter
Test Air Temperature (°F): 72
Relative Humidity (%): 49.2
Barometric Pressure (Inches Hg): 29.49

TEST RESULTS

Initial Resistance ("WG): 0.760
MPPS Determination (µm): 0.1310
Efficiency at MPPS (%): 99.99571
Projected Rating (Min.Integral for E14=99.995%): H14



Media Resistance	Air Flow (FPM)	Resistance (in WG)
	1.00	0.320
	2.00	0.480
	3.00	0.620
Test Flow Rate	4.00	0.760
	5.00	0.900
	6.00	1.040



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)
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2.00	0.480
3.00	0.620
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DATA - Particle Removal Efficiency

Particle Size Range (μm)	MPPS	Particulate Removal Efficiency (μm) (%)
10.90		0.0109 100.0000
14.60		0.0146 100.0000
20.20		0.0202 100.0000
25.00		0.0250 100.0000
30.00		0.0300 100.0000
35.90		0.0359 100.0000
42.90		0.0429 99.9963
55.20		0.0552 99.9958
73.70		0.0737 99.9916
94.70		0.0947 99.9982
105.50		0.1055 99.9911
117.60		0.1176 99.9937
131.00	MPPS	0.1310 99.9948
145.90		0.1459 99.9950
162.50		0.1625 99.9977
187.70		0.1877 99.9979
209.10		0.2091 100.0000
232.90		0.2329 100.0000
278.80		0.2788 100.0000
358.70		0.3587 100.0000
385.40		0.3854 100.0000
461.40		0.4614 100.0000