

Test Report

Number: GZHT02739549

Report Ref:	GZHT02739549		
Date Received:	May 15, 2023	Date Issued:	May 16, 2023

Company Name:	MEDIFY AIR LLC
Address:	150 E PALMETTO PARK RD, SUITE 301, BOCA RATON FL 33432, USA
Contact Name:	Hank Chang

The Following Sample Was Submitted And Identified By/On Behalf Of The Applicant As:	
End Uses	: -
Ratings	: -
Sample Name	: Air purifier filter H13 media
No. Of Sample	: One (8 Pieces)
Size	: -
Colour	: White
Standard	: -
Style No.	: MA-14, MA-15, MA-25, MA-WM35, MA-40, MA-50-V3.0, MA-112, MA-112-Pro, MA-130
Date received	: May 15, 2023
Test Started	: May 16, 2023

Test was conducted on specific items, at our client's request.

Prepared And Checked By:
For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch



James Ma
Textile lab Senior Manager

Ula / janesyjiang



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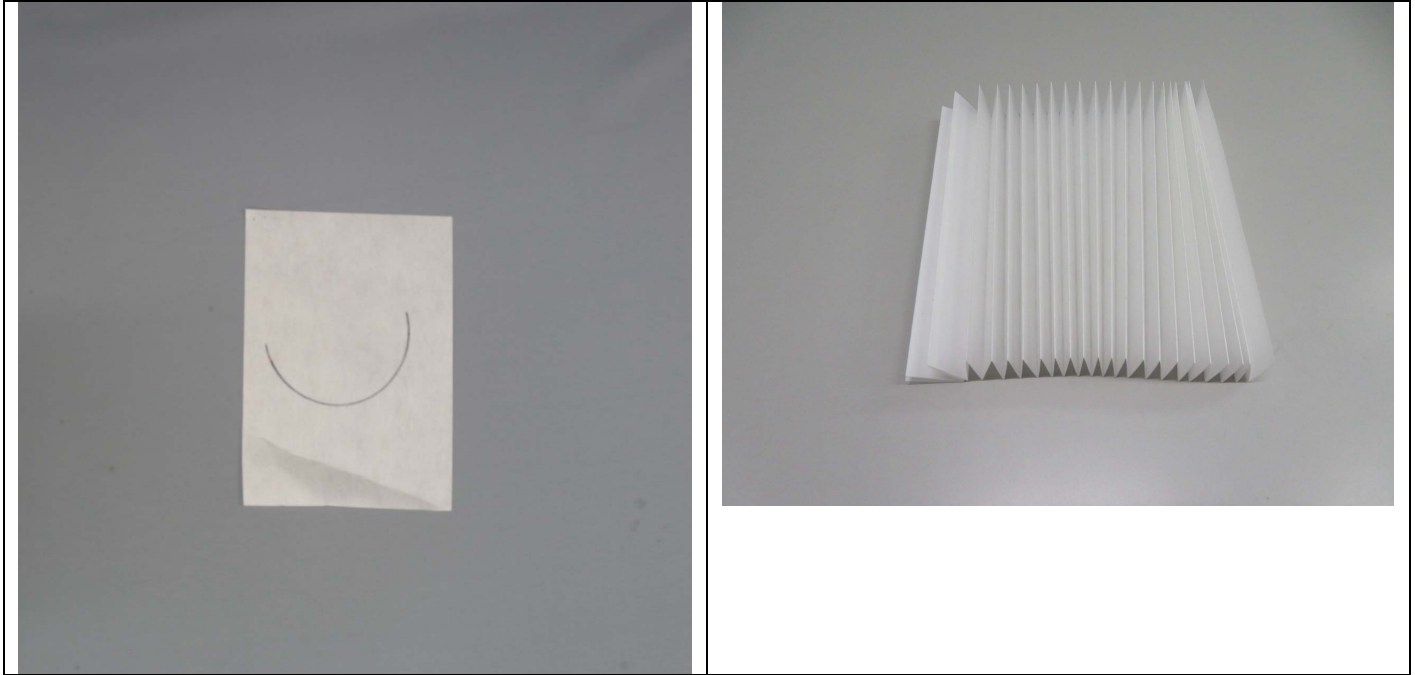
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Original Sample Photo



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Tests Conducted (As Requested By The Applicant)

- 1 Sub-micron Particulate Filtration Efficiency
(ASTM F2100-21, Section 9.3, Testing Refer to ASTM F2299/F2299M -03 (2017))

1. Purpose

The purpose of this test method is to measure the initial particle filtration efficiency of materials using monodispersed aerosols containing suspended latex spheres particulates of 0.1µm diameter.

2. Test Method

ASTM F2299/F2299M -03 (2017)

3. Test Apparatus and Materials

- 3.1 Latex sphere particulates penetration efficiency test system
- 3.2 Suspension containing latex spheres particulates of 0.1µm diameter

4. Test Specimen

- 4.1 Minimum 5 specimens are required.
- 4.2 Precondition each material specimen at the test duct conditions at 30 to 50±5% relative humidity and a temperature of (21±3)°C.

5. Procedure

- 5.1 Set main airflow, dilution airflow and aerosol generator airflow to test conditions
- 5.2 Establish airflow controls at test face velocity 5.33 cm/s. Purge main airflow for 10 to 15 minutes.
- 5.3 Warm-up optical particle counter (OPC) for 15 to 30 minutes.
- 5.4 Install the material specimen in the test system.
- 5.5 Sample and record the upstream and downstream aerosol counts for a minimum of five counts at each position using a 1-minute sampling time.
- 5.6 Average the upstream counts and the downstream counts, then calculate the decimal efficiency by the following definition:
Efficiency = 1 – penetration = 1- average downstream counts/average upstream counts.

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Results:

Test Area:	100 cm ²
Aerosol Challenge:	0.1 µm latex spheres (neutralized)
Face Velocity:	5.33 cm/s
Laboratory Condition:	21.5°C, 36.8% Relative Humidity (RH)

Test Specimen Number	Filtration Efficiency (%)	Pass/Fail
1	99.9	-
2	99.9	-
3	99.9	-
4	99.9	-
5	99.9	-

End of Report

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