

**Test Report**

Report No.: 250305122GZU-001

Date: Mar 14, 2025

Applicant: MEDIFY AIR LLC

150 E PALMETTO PARK RD, SUITE 200,  
BOCA RATON, FL 33432, USA

Sample Description:

The following submitted sample(s) said to be:

Item Name : **H13 Filter**  
Reference No. : MA-112PRO, MA-CAR (H13), MA-15, MA-25, MA-45, MA-35W,  
MA- 50V3, MA-10, MA-14, MA-18, MA-22, MA-12, MA-40, MA-112,  
MA-125  
Date of Sample Received : Mar 06, 2025  
Testing Period : Mar 06, 2025 to Mar 13, 2025

Tests conducted:

As requested by the applicant, refer to following page(s) for details.

Conclusion:

Tested Sample	Test Item	Result
Tested component of submitted sample	Efficiency	See test result

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch:  
Prepared by:



Bryce Lai  
Project Engineer



Reviewed by:



Michael Pang  
Asst. Technical Supervisor



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Measurement of Efficiency:

1. Standard and Methods
  - 1) BS EN 1822-1:2019 High efficiency air filters (EPA, HEPA and ULPA) - Part 1: Classification, performance testing, marking
  - 2) BS EN ISO 29463-3:2018 High-efficiency filters and filter media for removing particles in air - Part 3: Testing flat sheet filter media
2. Test Conditions
  - 1) Environment temperature: 23.6°C
  - 2) Environment humidity: 50% RH
  - 3) Test Air Volume: 32 L/min
  - 4) Test Area: 100 cm<sup>2</sup>
3. Test Equipment
 

Aerodynamic Test Platform, Dust Particle Counter, Aerosol Diluter
4. Test Procedures
  - 1) Turn aerodynamic test platform to the working state, adjust the temperature to (23±5) °C and the relative humidity less than 75%, and determine the background concentration of upstream and downstream.
  - 2) The filter material to be tested is installed on the air duct according to the standard requirements, and the aerosol generator is started.
  - 3) After the concentration of the pollutant is stable, measure the concentration of upstream and downstream pollutants.
5. Computational Formula

$$P(\%) = \frac{A_2}{A_1} \times 100$$

6. Test Results:

<u>Number of Sample</u>	<u>Test Pollutant</u>	<u>Testing Size (µm)</u>	<u>Number of Specimens</u>	<u>Upstream Particulate Concentrations A<sub>1</sub> (p/m<sup>3</sup>)</u>	<u>Upstream Particulate Concentrations A<sub>2</sub> (p/m<sup>3</sup>)</u>	<u>Penetration P (%)</u>		
(1)	DEHS	0.1~0.3	1	13046300000	2722000	0.02086		
			2	12543500000	2613000	0.02083		
			3	12904900000	2827000	0.02191		
			4	12792100000	2585000	0.02021		
			5	12598600000	2374000	0.01884		
			Mean Penetration (%)					0.02053
			Mean Efficiency (%)					99.979

Remark: The test was performed by an approved third party subcontractor laboratory.

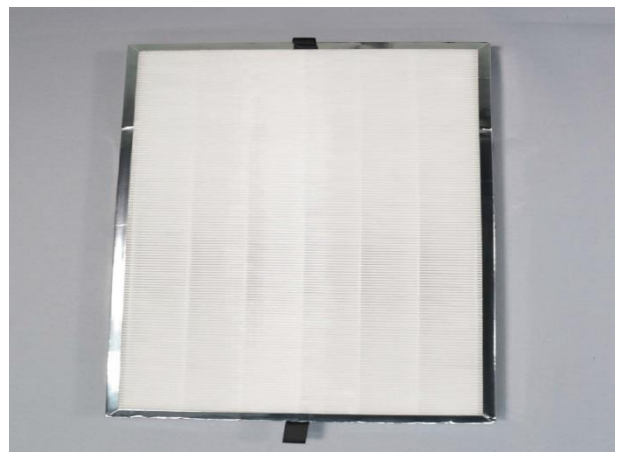
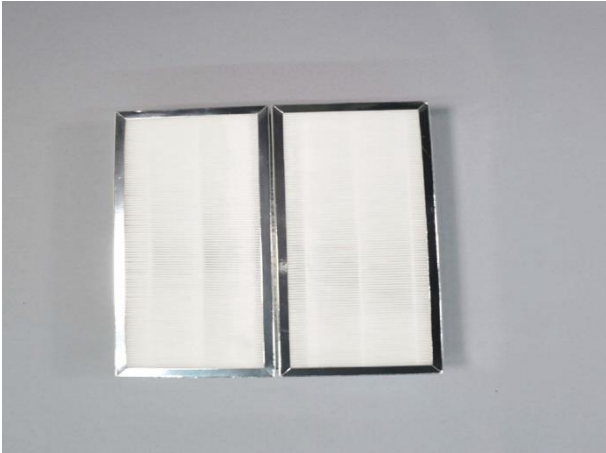
Tested component: (1) H13 Filter Material



## Sample photo



**Reference photo**





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End of report

