

Test Report

Report No.: TL1008-TW1803202201

Report Issue Date: 18 March 2022

Applicant : Trend Wealth Industrial Limited
Manufacturer : Trend Wealth Industrial Limited
Address : Unit B, 1/F, Eastern Industrial Building, 42-50 Kwai Ting Road,
Kwai Chung, New Territories, Hong Kong

Sample Received : 16 March 2022
Sample Description : E-PRO 3D Surgical Mask
Test Period : 18 March 2022

Test Standard : ASTM F2100-19
Model /Lot No. : JH220309A

Summary of Test Results

Standard: ASTM F2100-19	Conclusion for Level 3 Comply
Different Pressure (H ₂ O/cm ²)	Pass

- FOR TEST REPORT DETAILS. PLEASE REFER TO THE ATTACHED PAGE(S) -

Tested By:



Eric W , Technical Engineer

Approved By:



Lab Manager



Test Completion Date: 18 March 2022

These results do not imply nor preclude a future approval through the official ASTM approval process. These results relate only to the test sample(s) listed in this report. Report cannot be reproduced except with written approval by Long Jing. The decision rule in checking compliance was based on the Clause 4.2.2 Binary Statement with Guard Band (w = 1 x U) in the ILAC G8-09/2019. The company shall not be called or be liable to be called to give evidence or testimony on the report in a court of law without its prior written consent.

Differential Pressure (Delta P) Test Report

Test method

The Delta P test is performed to determine the breathability of test articles by measuring the differential air pressure on either side of the test article using a manometer, at a constant flow rate. The Delta P test complies with EN 14683:2019, Annex C and ASTM F2100-19.

Conditioning Period (At temperature of 21 ± 5 °C and relative humidity of 85 ± 5 %): 4 hours

Delta P Flow Rate: 8 Liters per minute (L/min)

Results

Test Sample #	Delta P (mm H ₂ O/cm ²)	Delta P (Pa/cm ²)
1	2.23	21.90
2	2.34	22.90
3	2.29	22.50
4	2.20	21.60
5	2.21	21.70

Remarks:

1 Pascal is equal to 0.10197mmH₂O

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Appendix:

Photo(s) of Submitted Sample



ASTM F2100-19 and EN 14683:2019 Requirements Reference:

	Level 1	Level 2	Level 3	Type I	Type II	Type IIR
Requirements	ASTM F2100-19			EN 14683:2019		
Particle Filtration Efficiency (PFE%)	≥ 95%	≥ 98%	≥ 98%	Not Required		
Bacterial Filtration Efficiency (BFE%)	≥ 95%	≥ 98%	≥ 98%	≥ 95%	≥ 98%	≥ 98%
Synthetic Blood Penetration Resistance (mmHg)	80	120	160	Not Required		120
Different Pressure	< 5.0 H ₂ O/cm ²	< 6.0 H ₂ O/cm ²		< 40 Pa/cm ²		< 60 Pa/cm ²
Flammability	Class I			Not Required		
Microbial Cleanliness (Cfug)	Not Required			≤ 30		

---- End of Report ----

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