



Test protocol information sheet – Az 3Layer face mask

1. Test performed

Flat sheet efficiency test – 99% efficiency on 3 micron.

The face mask we offer is tested in our laboratory. The DEHS Particle Filter Efficiency test, performed on a flat sheet test-rig, shows the efficiency of the filter material is above standard. (type II according to EN 14683).

INSTRUCTIONS

How to wear the mask



- ⊕ Please store the product in a cool and dry place;
- ⊕ It is not recommended to wear when the air is not circulating, breathing is not smooth or sleeping;
- ⊕ Children under three years old are not recommended because of their low vital capacity;
- ⊕ Please pay attention to the correct direction of the mask when wearing, and avoid wearing it upside down, which will greatly reduce the effectiveness of the mask;
- ⊕ Do not continue to use if package is damaged.

Permeability / breathability test

In order to ensure breathability and comfort during wearing we have performed and test to ensure these factors. In below graph you can see the relation between airflow and pressure drop of the media.

Results:

Particle Size (μm)	Efficiency (%)	
	3 LAYER MASK	3 LAYER MASK NANO COATED
0.3	27.83	75.97
0.5	53.39	90.12
0.7	73.45	95.33
1	82.75	97.35
2	94.35	99.36
5	100	100



DISPOSABLE MEDICAL MASK

Under the epidemic situation
Guard your every breath



Filter \geq 95%



Three layers of
Protection



Agency for record



2. Additional tests scheduled

The facemasks are currently enrolled in a testing program of the laboratory of HEX Group in Belgium. Within June, this laboratory will communicate the results on following tests, all according to European standards.

- Bacterial Filtration Efficiency (BFE) – according to EN 14683:2019
- Differential pressure (breathability) – according to EN 14683:2019
- Microbial cleanliness – according to EN ISO 11737-1:2018

3. Splash resistance test (IIR according to ISO22609)

When desired and upon request, we could also perform a Splash resistance test (ISO 22609:2004). We are currently cooperating with Nelson Labs (USA) which could perform this test. They could be able to share the results of this test within 8 weeks. Additionally we are constantly looking for laboratoria that can perform test quicker than the current time schedule

WATERPROOF AND DUST-PROOF

effective isolation and low breathing resistance based on quality non-woven material

- High permeability
- High antibacterial

waterproof infiltration by Moisture-proof & non-woven cloth

WATER PROOF TEST

- Outer layer water-proof & dust-proof
- Intermediate layer blocks dirt particles
- The inner mouth layer is skin-friendly

A layer Layer 2 Layer 3

- Three layers of Protection
- Filter Bacteria
- Comfortable Skin affinity

DETAIL DISPLAY

Details show quality



Flexible nose clip Adjust the mask to fit the face



Skin friendly Soft, breathable and non-sterile



Elastic ear ribbon Comfortable and not tight



Fit the face More comfortable to wear



No smell Multi-layer protection and purification



3-LAYER FILTRATION FOR FRESH AIR THREE-LAYER FILTER PROTECTION

Protect health of your airway

- Non-woven cloth for protection**
Adsorb dust and harmful particles
- Melt-blown cloth for filtration**
Block oily and non-oily 0.5-µm particles
- The inner layer with Polypropylene Non-woven**
Skin-friendly, anti-allergy, and filter remaining particles

The Request By: Customer

Test No: AZ-LAB-99041001

Time: 16:00 AM

Device Tested:

Model/Code: Sample of mask media	Manufacturer: ---	Construction and Design : Flat sheet
Type : ---	Net Effective Filtering Area(m ²): ---	Dimension(mm): Ø 100

Test Conditions:

Temperature(°C): 32
Test Air Relative Humidity(%RH): 32
Test Air Flow(m ³ /h): 100 m3/h

Counter Information:

Device: Laser Particle Counter	Model: HHPC-6	Manufacturer: Met One (USA)
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Test Information:

Test Mode: ----	Neutralization Method: ----
Additional Information: 3 LAYER MASK : SMS + MELT + SMS 3 LAYER MASK NANO COATED : SMS (NANO COATED) + MELT + SMS	

Preparator: Laboratory Supervisor (Reza Ghiami)	Verifier: Q.C Manager (Seyed Alireza Hosseini)
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