

1. Bacterial filtration efficiency

Test method	: EN 14683:2019+AC: 2019 Clause 5.2.2
Test Side:	: Face side
Test specimen (L x M)	: 100mm x 100mm
Test area	: 50 cm ²
Flow rate	: 28.3 l/min
Mean of the total plate counts of the two positive controls	: 2006 CFU
Mean plate count of the negative controls	: <1 CFU
Mean particle size	: 3.0±0.3µm
Test bacteria	: <i>Staphylococcus aureus</i> ATCC 6538
Pre-conditioning	: 21±5°C and 85±5 % relative humidity for at least 4h
Requirement	: Type I: ≥ 95%

M001

	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5
B (%)	99.9	99.9	>99.9	>99.9	>99.9
Conclusion	Pass				

2. Breathability

Test method	: EN 14683:2019+AC: 2019 Clause 5.2.3
Flow rate	: 8 l/min
Test area	: 4.9cm ²
Test location	: Centre, Top-left, Top-right, Bottom-left, Bottom-right
Pre-conditioning	: 21±5°C and 85±5 % relative humidity for at least 4h
Requirement	: Type I: <40Pa/cm ²

M001

Specimen	Pressure (Pa/cm ²)					Mean
	Area 1	Area 2	Area 3	Area 4	Area 5	
1	22.5	22	22.2	21.8	20.9	21.9
2	20.6	21.4	24.2	25.5	18.1	22.0
3	18.1	24.4	25.1	26.1	18.1	22.4
4	22.4	22.9	23.2	23.4	21.6	22.7
5	18.6	20.4	21.3	22.5	20.9	20.7
Conclusion	Pass					

3. Microbial cleanliness (Bioburden)

Test method	: EN 14683:2019+AC: 2019 Clause 5.2.5
Requirement	: Type I: ≤30 CFU/g

M001

	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5
Weight of each mask (g)	2.80	2.82	2.79	2.79	2.81
Total bioburden per individual mask (CFU/mask)	<3	<3	<3	<3	<3
Total bioburden per gram (CFU/g)	<1	<1	<1	<1	<1
Conclusion	Pass				