



中国认可
国际互认
检测
TESTING
CNAS L1842



佛山中纺联检验技术服务有限公司
CNTAC Testing Service Co.,Ltd.(Foshan)

Testing Report	Security website: www.fcl-sz.org.cn Security code: 6648085413
Report No: ZFLJ2643291A	Page 1 of 4



Applicant Information

Applicant Name : Shandong Shengquan New Materials Co., Ltd.
Applicant Address : Industry Development Zones, Diaozhen Town, Zhangqiu, Shandong
Manufacturer : Shandong Shengquan New Materials Co., Ltd.
Manufacturer Address : Industry Development Zones, Diaozhen Town, Zhangqiu, Shandong

Sample Information

Sample Description : Disposable Medical Face Mask
Trade mark : SHENGQUAN
Sample Quantity : 100 pieces
Product No. : SMDP20605

- Sample Receiving Date : 2020-08-19
- Report Date : 2020-08-26
- The original sample is stucked on the last paper.

Test Performed

Judgement according to:
ASTM F2100-2019e1 Standard Specification for Performance of Materials Used in Medical Face Masks
Level 3
- Selected test(s) as requested by applicants. For details, refer to attached page(s).

Pronounce

The results shown in this report refer only to sample(s) tested unless otherwise stated.
All the items are performed in the standard conditions, except the noted cases.
Except for the requirement of the client, the test results and the conformity judgement of this report do not take the uncertainty of the test results into account.

Signed for and on behalf of
CNTAC Testing Service Co.,Ltd.(Foshan)
Approved by

张志荣

(Except for microbiological project)

罗拉莲

(Microbiological project)





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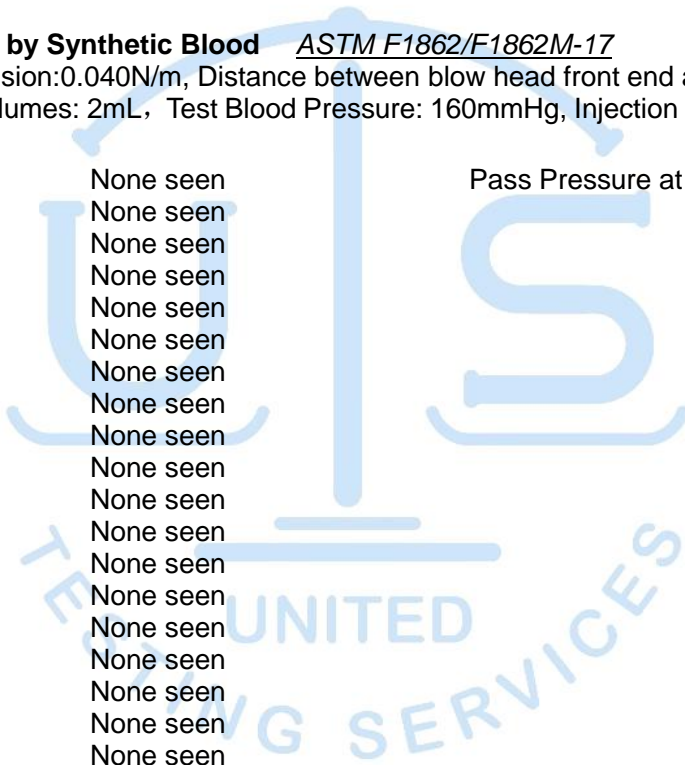


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Report No: ZFLJ2643291A	Page 2 of 4



--- Test Result ---

Test Result	Requirements	Judgement
1. Differential Pressure <i>EN 14683:2019 Annex C</i>		
Air flow: 8L/min, Test area diameter 25mm, Test area: 4.9cm ² Unit: <mmH ₂ O/cm ² >		
sample 1#	5.5	< 6.0
sample 2#	5.2	
sample 3#	5.3	
sample 4#	5.8	
sample 5#	5.6	
Average	5.5	Pass
2. Resistance to Penetration by Synthetic Blood <i>ASTM F1862/F1862M-17</i>		
Synthetic blood surface tension:0.040N/m, Distance between blow head front end and target area: 300mm, Injection synthetic blood volumes: 2mL, Test Blood Pressure: 160mmHg, Injection velocity: 635cm/s, Use a fixed target board .		
sample 1#	None seen	Pass Pressure at 160mmHg
sample 2#	None seen	
sample 3#	None seen	
sample 4#	None seen	
sample 5#	None seen	
sample 6#	None seen	
sample 7#	None seen	
sample 8#	None seen	
sample 9#	None seen	
sample 10#	None seen	
sample 11#	None seen	
sample 12#	None seen	
sample 13#	None seen	
sample 14#	None seen	
sample 15#	None seen	
sample 16#	None seen	
sample 17#	None seen	
sample 18#	None seen	
sample 19#	None seen	
sample 20#	None seen	
sample 21#	None seen	
sample 22#	None seen	
sample 23#	None seen	
sample 24#	None seen	
sample 25#	None seen	
sample 26#	None seen	
sample 27#	None seen	
sample 28#	None seen	
sample 29#	None seen	
sample 30#	None seen	
sample 31#	None seen	
sample 32#	None seen	





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Report No: ZFLJ2643291A	Page 3 of 4



Test Result	Requirements	Judgement
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3. Sub-Micron Particulate Filtration Efficiency (PFE) at 0.1 micron ASTM F2299/F2299M-03(R 2017)

Aerosol: PSL, Test area: 100cm², Airflow: 5.33cm/s, Sampling time: 1min.

Unit: <%>

sample 1#	99.2	≥ 98	Pass
sample 2#	99.6		
sample 3#	99.5		
sample 4#	99.7		
sample 5#	99.4		
Minimum	99.2		

4. Bacterial Filtration Efficiency ASTM F2101-19

Flow rate: 28.3L/min, Test area: 77cm², Test bacteria culture: Staphylococcus aureus ATCC 6538, Particle Diameter: 3.0µm, Inside of the test mask was facing towards the challenge aerosol, The average plate count results of the positive controls: 2.2×10³CFU, The average plate count results of the negative controls: <1CFU

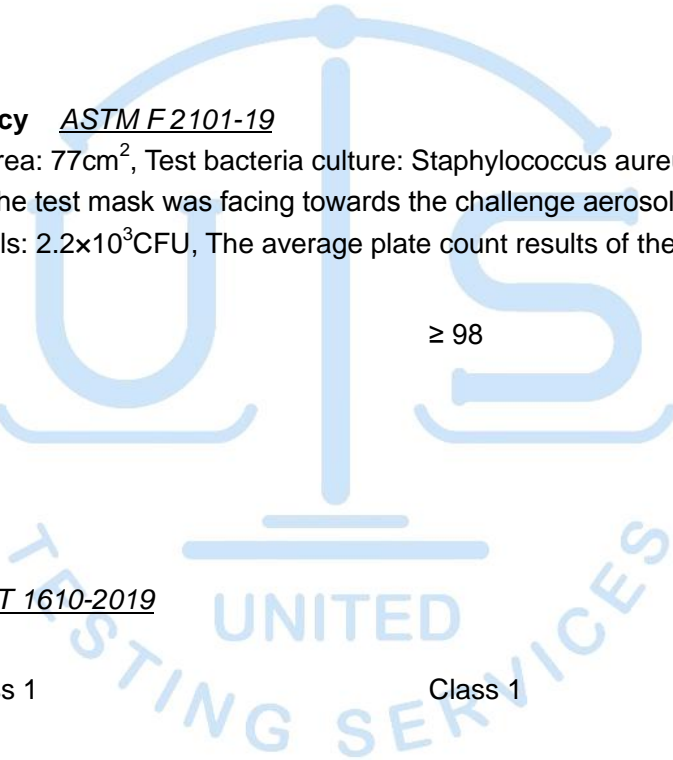
Unit: <%>

sample 1#	99.9	≥ 98	Pass
sample 2#	99.9		
sample 3#	99.9		
sample 4#	99.9		
sample 5#	99.9		

5. Flammability 16 CFR PART 1610-2019

End Level	Class 1	Class 1	Pass
Combustion regime	DNI		

Remark: DNI = Did not ignite.





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Report No: ZFLJ2643291A	Page 4 of 4



Original Sample



===== End of Report =====

