

## Test Report

(Electronic version)

Verification Website: [www.gttc.net.cn](http://www.gttc.net.cn)

Verification Code: EAXW-0068-04

**No:20R000538**

Issue Date: 2020-04-22

Applicant: YANTAI SHOW LONG MEDICAL TECHNOLOGY CO., LTD  
Address: NO.5 WUZHISHAN ROAD, E&T DEVELOP ZONE, YANTAI, SHANDONG PROVINCE,  
CHINA

Information confirmed by applicant:

Disposable medical face mask

Quantity: forty pieces

Type: flat pleated ear loop style(sterile) 17.5cm×9.5cm

Classification: Type II R

Standard Adopted:

EN 14683:2019+AC:2019 <Medical face masks-Requirements and test methods>

Date Received/Date Test Started: 2020-04-18

Conclusion:

Splash resistance pressure

M

Note: "M"-Meet the standard's requirement "F"-Fail to meet the standard's requirement "---"-No comment

Remark:

All the tested items are tested under the standard condition (except for indication).

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The experiment was carried out at No.1, Zhujiang Road, Panyu District, Guangzhou, Guangdong, P.R.China.

Approved By:

*ZiShan Guo*

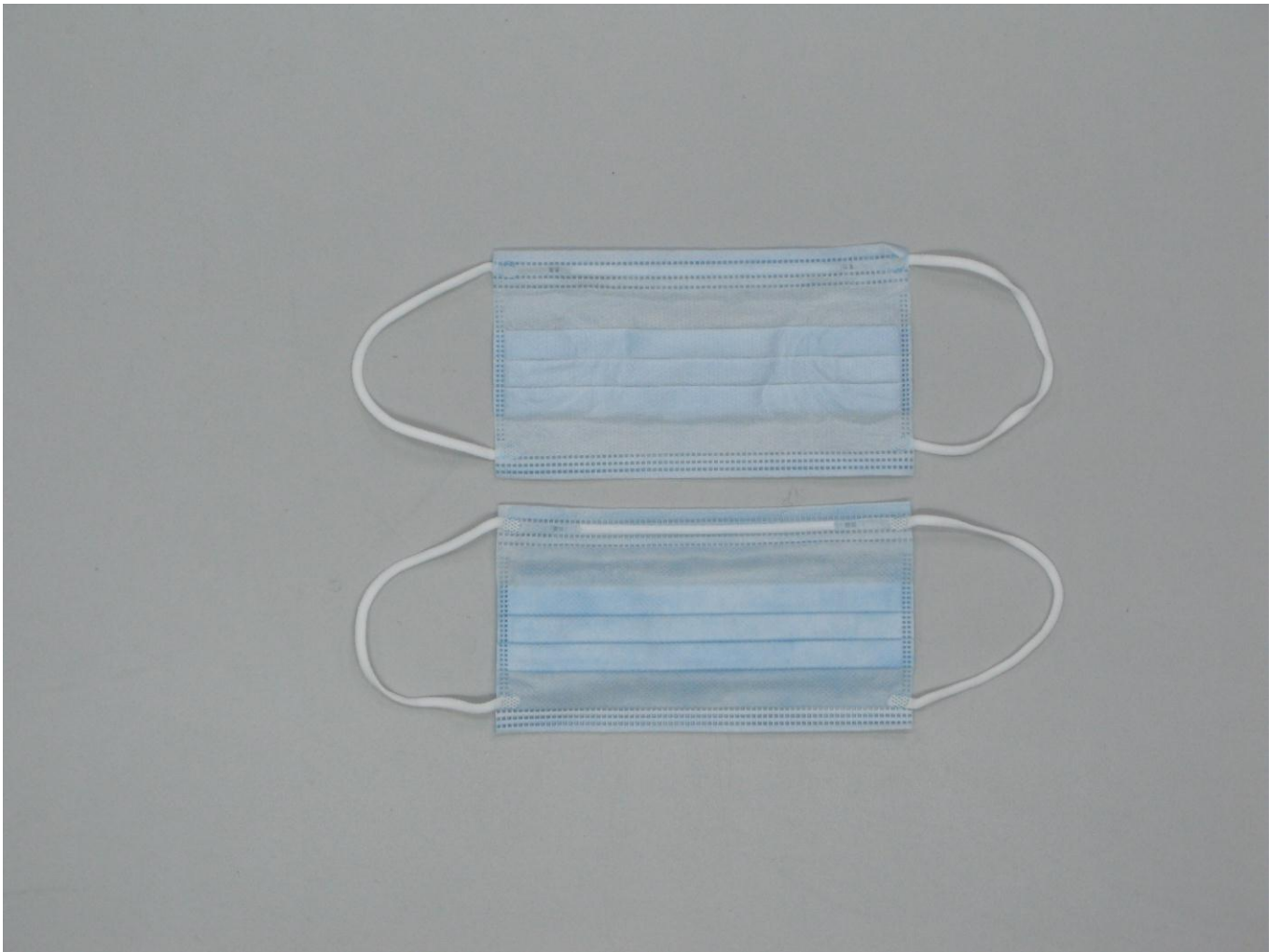
ZiShan Guo Senior Engineer



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## Splash resistance pressure

Test method: ISO 22609:2004

### Test principle:

A specimen medical face mask is supported on an apparatus. A volume of synthetic blood is sprayed horizontally at the specimen mask to simulate the scenario of a mask being splashed by a punctured blood vessel. The volume of fluid, distance to impact, orifice size and fluid velocity are defined in this method and intended to be consistent with this health care scenario. Any evidence of synthetic blood penetration on the side of the medical face mask contacting the wearer's face constitutes failure. Results are reported as "pass/fail". Specimen medical face masks are evaluated at a total of three different velocities corresponding to human blood pressures of 10.6 kPa, 16.0 kPa, and 21.3 kPa. Test results are reported at each velocity and the medical face mask is rated at the highest corresponding blood pressure for which medical face mask specimens demonstrate an acceptable quality limit of 4.0.

### Test equipment:

Test apparatus for synthetic blood penetration LFY-227

Air compressor

Graduated cylinder

Electronic balance

Targeting plate

### The environmental conditions of the laboratory and test condition:

Condition each specimen for a minimum of 4 h by exposure to a temperature of  $(21 \pm 5)^\circ\text{C}$  and a relative humidity of  $(85 \pm 5)\%$

Surface tension of synthetic blood: 0.042 N/m

Pressure: 16.0 kPa

Velocity: 550 cm/s



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**Results:**

Sample	Measured value	Requirement (kPa)	Classification	Conclusion
	Pressure			
	16.0 kPa			
1	pass	≥16.0 EN 14683:2019+AC:2019	Type II R	Pass
2	pass			
3	pass			
4	pass			
5	pass			
6	pass			
7	pass			
8	pass			
9	pass			
10	pass			
11	pass			
12	pass			
13	pass			
14	pass			
15	pass			
16	pass			
17	pass			
18	pass			
19	pass			
20	pass			
21	pass			
22	pass			
23	pass			
24	pass			
25	pass			
26	pass			
27	pass			
28	pass			
29	pass			
30	pass			
31	pass			
32	pass			
<b>Final result</b>	pass			

**Remarks:**

An acceptable quality limit of 4.0 % is met for a single sampling plan when 29 or more of the 32 tested specimens show "pass" results.



————End of Report————