

**Test Report**

Number: GZHT02306272

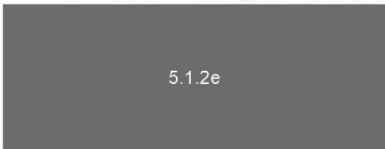
<b>Report Ref:</b>	GZHT02306272		
<b>Date Received:</b>	Jun 18, 2020	<b>Date Issued:</b>	Jun 30, 2020

<b>Company Name:</b>	5.1.2e
<b>Address:</b>	
<b>Contact Name:</b>	

The Following Sample Was Submitted And Identified By/On Behalf Of The Applicant As:	
End Uses	: Sterile Medical Face Mask
Ratings	: Type IIR
Sample Name	: Disposable Medical Mask
Size	: 175X95mm
Colour	: White/Blue
Standard	: EN 14683:2019+AC:2019
Manufacturer	: Shengguang Medical Instrument Co., Ltd
Date received/ Test Started	: Jun 18, 2020
Ref	: Lot No.: 6Lot

Test was conducted on specific items, at our client's request.

Prepared And Checked By:  
For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch



AL / hilaryxu

**Intertek Testing Services Shenzhen Ltd. Guangzhou Branch**  
深圳天祥质量技术服务有限公司广州分公司

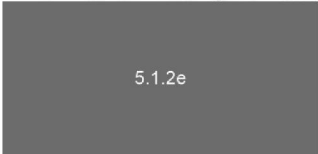
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**Original Sample Photo**



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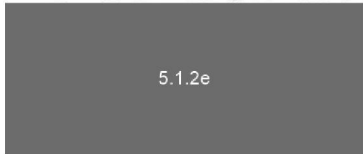
**Summary of testing:**

With reference to following standard:

- EN 14683:2019+AC:2019 Medical face masks – Requirements and test methods Type IIR

Materials Used in The Submitted Sample Were Found To Comply With The Type IIR Requirements of EN 14683:2019+AC:2019 with respect to Bacterial Filtration Efficiency and Splash Resistance Pressure tests.

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Tests Conducted (As Requested By The Applicant)

- 1 Bacterial Filtration Efficiency (BFE)  
As Per EN 14683:2019+AC:2019 Medical face masks – Requirements And Test Methods Annex B.

Test Item	Results (%)					Performance Requirement for Medical Face Mask (%)
	Specimen (1)	Specimen (2)	Specimen (3)	Specimen (4)	Specimen (5)	
Bacterial Filtration Efficiency (BFE)	99.9	99.5	99.7	99.9	99.7	Type IIR: ≥98

Remarks:

1. Biological Aerosol: *Staphylococcus aureus* (ATCC 6538).
2. Testing side: Outside of the test specimen was facing towards the challenge aerosol.
3. Test area: 78 cm<sup>2</sup>
4. Flow rate: 28.3 L/min
5. The average plate count results of the positive controls: 2400 CFU
6. The average plate count results of the negative controls: < 1 CFU
7. CFU = Colony Forming Unit

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2 Splash Resistance Pressure (ISO 22609:2004):

Synthetic Blood Surface Tension: 0.040 N/m, Distance Between Blow Head Front End And Target Area: 300 mm, Artificial Blood Volumes: 2 mL, Test Pressure: 16.0 kPa, Velocity: 550 cm/s, Use A Fixed Target.

<u>Tested Sample</u>	<u>Result</u>	<u>Performance Requirement for Medical Face Mask</u> Type IIR: No penetration at 16.0 kPa
Specimen (1)	None seen	
Specimen (2)	None seen	
Specimen (3)	None seen	
Specimen (4)	None seen	
Specimen (5)	None seen	
Specimen (6)	None seen	
Specimen (7)	None seen	
Specimen (8)	None seen	
Specimen (9)	None seen	
Specimen (10)	None seen	
Specimen (11)	None seen	
Specimen (12)	None seen	
Specimen (13)	None seen	
Specimen (14)	None seen	
Specimen (15)	None seen	
Specimen (16)	None seen	
Specimen (17)	None seen	
Specimen (18)	None seen	
Specimen (19)	None seen	
Specimen (20)	None seen	
Specimen (21)	None seen	
Specimen (22)	None seen	
Specimen (23)	None seen	
Specimen (24)	None seen	

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Tests Conducted (As Requested By The Applicant)

<u>Tested Sample</u>	<u>Result</u>	<u>Performance Requirement for Medical Face Mask Type IIR:</u> No penetration at 16.0 kPa
Specimen (25)	None seen	
Specimen (26)	None seen	
Specimen (27)	None seen	
Specimen (28)	None seen	
Specimen (29)	None seen	
Specimen (30)	None seen	
Specimen (31)	None seen	
Specimen (32)	None seen	

Remark : Test was conducted by external provider.

End of Report

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