

**Test Report**

Number: GZHT02311781-S1

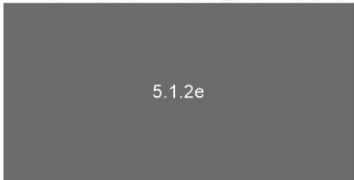
<b>Report Ref:</b>	GZHT02311781-S1	THIS IS TO SUPERSEDE REPORT NO. GZHT02311781 DATED Jul 20, 2020	
<b>Date received:</b>	Jul 06, 2020	<b>Date Issued:</b>	Jul 22, 2020

<b>Company Name: Address:</b>	5.1.2e
<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(TYPE IIR)
Size	: 175X95mm
Colour	: White& Blue
Standard	: EN 14683:2019+AC:2019
Manufacture	: SHENGGUANG MEDICAL INSTRUMENT CO.,LTD
Date received/ Test Started	: Jul 06, 2020
Ref	: Lot No.: 7 Lot Date code: 20200623

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

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



Ula / abbyqzeng

**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

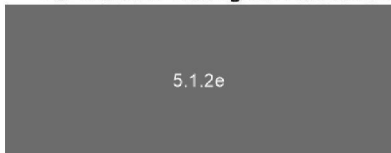
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**Original Sample Photo**



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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 Splash Resistance Pressure and Bacterial Filtration Efficiency tests.

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Tests Conducted (As Requested By The Applicant)

- 1 Splash Resistance Pressure (*ISO 22609:2004*):  
Synthetic Blood Surface Tension: 0.042N/m, Distance Between Blow Head Front End And Target Area: 305 mm, Artificial Blood Volumes: 2 mL, Blood Pressure: 16.0 kPa, Velocity: 550 cm/s, Without Targeting-plate Used  
Condition test specimens for a minimum of 4 hours in an environment of temperature (21±5) °C and relative humidity (85±5)% and conduct the test within 1 minute of removal from conditioning chamber.

Tested Sample	Observation	Pass/Fail	Performance Requirement for Medical Face Mask
Specimen (1)	No Penetration	Pass	Type IIR: No Penetration at 16.0 kPa
Specimen (2)	No Penetration	Pass	
Specimen (3)	No Penetration	Pass	
Specimen (4)	No Penetration	Pass	
Specimen (5)	No Penetration	Pass	
Specimen (6)	No Penetration	Pass	
Specimen (7)	No Penetration	Pass	
Specimen (8)	No Penetration	Pass	
Specimen (9)	No Penetration	Pass	
Specimen (10)	No Penetration	Pass	
Specimen (11)	No Penetration	Pass	
Specimen (12)	No Penetration	Pass	
Specimen (13)	No Penetration	Pass	
Specimen (14)	No Penetration	Pass	
Specimen (15)	No Penetration	Pass	
Specimen (16)	No Penetration	Pass	
Specimen (17)	No Penetration	Pass	
Specimen (18)	No Penetration	Pass	
Specimen (19)	No Penetration	Pass	
Specimen (20)	No Penetration	Pass	
Specimen (21)	No Penetration	Pass	
Specimen (22)	No Penetration	Pass	

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Tests Conducted (As Requested By The Applicant)

Specimen (23)	No Penetration	Pass
Specimen (24)	No Penetration	Pass
Specimen (25)	No Penetration	Pass
Specimen (26)	No Penetration	Pass
Specimen (27)	No Penetration	Pass
Specimen (28)	No Penetration	Pass
Specimen (29)	No Penetration	Pass
Specimen (30)	No Penetration	Pass
Specimen (31)	No Penetration	Pass
Specimen (32)	No Penetration	Pass
<b>Conclusion*:</b>	<b>Accepted</b>	
* = 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.		

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Tests Conducted (As Requested By The Applicant)

## 2 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	99.8	99.8	99.9	99.9	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: 2.2x10<sup>3</sup> CFU
6. The average plate count results of the negative controls: < 1 CFU
7. CFU = Colony Forming Unit

Remark: The test was performed In Caipin Road, Guangzhou Science City, GETDD, Guangzhou, Guangdong.

End of Report

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To : [Redacted] 5.1.2e  
Attention : [Redacted] Date : Jul 22, 2020

Re : Report Revision Notification

Labtest Report Number GZHT02311781 date JUL 20, 2020

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Labtest Report, Number GZHT02311781-S1 , issued on Jul 22, 2020 .

Thank you for your attention

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

[Redacted] 5.1.2e

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