

Test Report

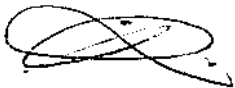
Number: GZHT02287761-S1

Report Ref:	GZHT02287761-S1	THIS IS TO SUPERSEDE REPORT NO. GZHT02287761 DATED May 15, 2020	
Date Received:	May 06, 2020	Date Issued:	May 19, 2020

Company Name:	HUBEI WANLI PROTECTIVE PRODUCTS CO., LTD		
Address:	YUANSHI, GANHE, XIANTAO		
	CHINA		
Contact Name:	mosa		

The Following Sample Was Submitted And Identified By/On Behalf Of The Applicant As:	
End Uses	: Non-Sterile Medical Face Mask
Ratings	: Type IIR
Sample Name	: Face Mask disposable 3-ply
Size	: 17.5X9.5cm
Colour	: Blue/White
Standard	: EN 14683:2019+AC:2019
Agent	: -
Manufacturer	: HUBEI WANLI PROTECTIVE PRODUCTS CO., LTD
Brand Name	: XIAN WANLI
Date received/ Test Started	: May 06, 2020
Ref	: WLM2002 鄂械注准 20182142554

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



Lin Lin
General Manager



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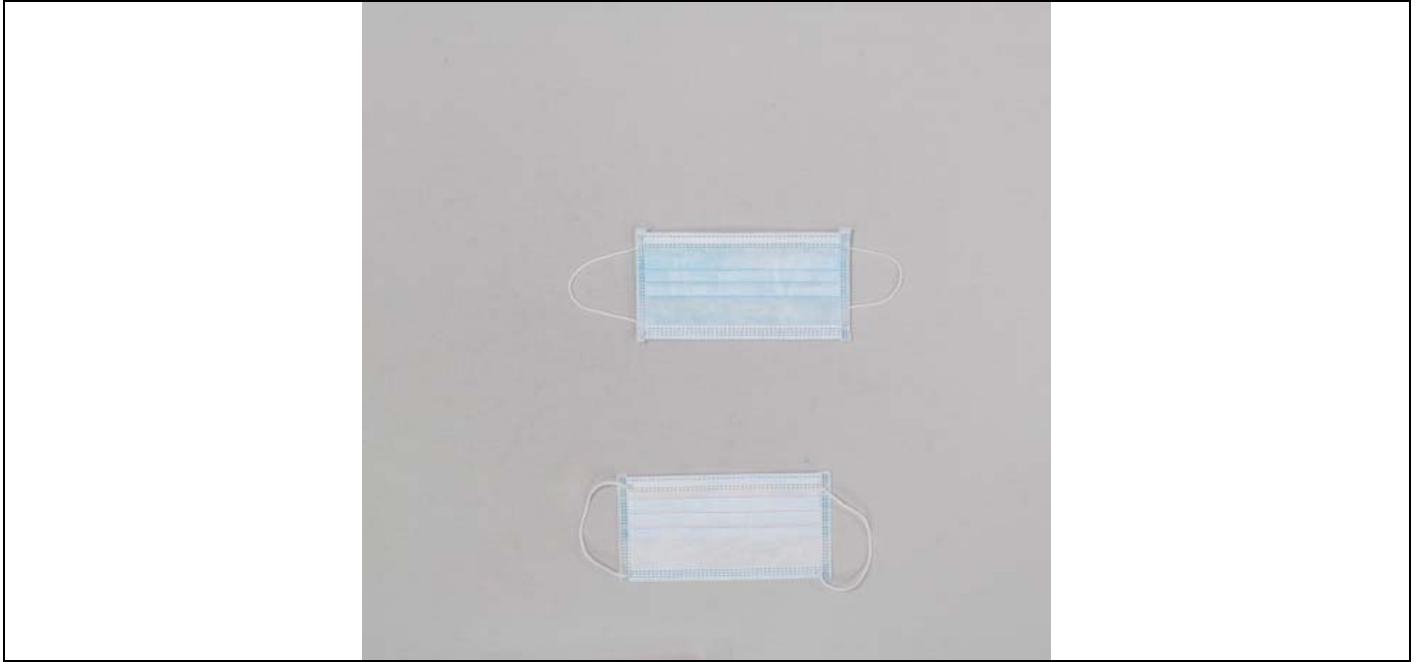
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Original Sample Photo



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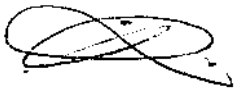
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Summary of testing:

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 Microbial Cleanliness, Bacterial Filtration Efficiency, Differential Pressure and Splash Resistance Pressure tests.

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Tests Conducted (As Requested By The Applicant)

1 Microbial Cleanliness

As Per EN 14683:2019+AC:2019 Medical face masks-Requirements and test methods Annex D.

Test Item	Result (cfu/g)					Limit (cfu/g)
	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5	
Microbial cleanliness	5	<1#	5	<1#	<1#	Type IIR: ≤30

Remark:

cfu = Colony Forming Unit

≤ = Not More Than

= No Colony Was Detected At The Extraction Liquid Of The Samples.

Sample Received Condition: Sample In Closed Plastic Bag.

Tested Component:

(1) Blue/White Face Mask

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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	99.9	>99.9	>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 cm²
4. Flow rate: 28.3 L/min
5. The average plate count results of the positive controls: 2200 CFU
6. The average plate count results of the negative controls: < 1 CFU
7. CFU = Colony Forming Unit

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Tests Conducted (As Requested By The Applicant)

- 3 Differential Pressure (EN 14683:2019+AC:2019 Annex C):
Air flow: 8L/min, Test area diameter 25 mm, Test area: 4.9 cm².

<u>Tested Sample</u>	<u>Result (Pa/cm²)</u>	<u>Performance Requirement for Medical Face Mask (Pa/cm²)</u>
Specimen (1)	31.9	Type IIR: < 60
Specimen (2)	38.0	
Specimen (3)	33.5	
Specimen (4)	28.3	
Specimen (5)	35.0	
Average	33.3	

Remark : Test was conducted by external provider

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Tests Conducted (As Requested By The Applicant)

4 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	

Remark : Test was conducted by external provider.

End of Report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. No copy of the test report(except for full text copy) shall be made without the written approval by Intertek.

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To : HUBEI WANLI PROTECTIVE PRODUCTS CO., LTD
Attention : mosa Date : May 19, 2020

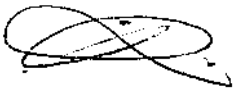
Re : Report Revision Notification

Labtest Report Number GZHT02287761 date MAY 15, 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 GZHT02287761-S1 , issued on May 19, 2020 .

Thank you for your attention

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



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