

TEST REPORT



Number: GZHT02293019

Report Ref:	GZHT02293019		
Date received:	May 18, 2020/May 19, 2020	Date Issued:	Jun 01, 2020

Company Name:	HUNAN EEXI TECHNOLOGY & SERVICE CO LTD NO.6, NORTH OF PINGTOU ROAD LIUYANG HI-TECH INDUSTRIAL DEVELOPMENT ZONE, HUNAN CHINA
Address:	
Contact Name:	XU XIAO XIAO

The Following Sample Was Submitted And Identified By/On Behalf Of The Applicant As:	
End Uses	: Non-Sterile Medical Face Mask
Ratings	: Type I
Sample Name	: Disposable Medical Face Mask
Size	: 14.5*9cm
Colour	: Blue/White
Standard	: EN 14683:2019+AC:2019
Manufacturer	: HUNAN EEXI TECHNOLOGY & SERVICE CO.,LTD
Date received/ Test Started	: May 18, 2020/May 19, 2020
Ref	: Band Name: E-YOU Type No : YX005

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

Approved by:

Sr. Manager



Assistant Supervisor



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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 I

Materials Used in The Submitted Sample Were Found To Comply With The Type I Requirements of EN 14683:2019+AC:2019 with respect to Microbial Cleanliness, Bacterial Filtration Efficiency and Differential Pressure tests.

Approved by:



Sr. Manager

Assistant Supervisor



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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	13	<1#	<1#	<1#	6	Type I: ≤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.

Remark: This Test Item Was Conducted In Caipin Road, Guangzhou Science City, GETDD, Guangzhou, Guangdong.

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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)	99.8	99.8	99.8	99.8	99.7	Type I: ≥95

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

Remark : This item is not under the testing scope of CNAS accreditation.

This Test Item Was Conducted In Caipin Road, Guangzhou Science City, GETDD, Guangzhou, Guangdong.

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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)	31.6	Type I: < 40
Specimen (2)	30.0	
Specimen (3)	33.1	
Specimen (4)	29.7	
Specimen (5)	27.4	
Average	30.4	

Remark : 1. Test was conducted by external provider.
2. This item is not under the testing scope of CNAS accreditation.

End of Report

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