

TEST REPORT

Number: GZHT028321

Report Ref:	GZHT028321		
Date Received:	Apr 07, 2020	Date Issued:	Apr 16, 2020

Company Name:	----- NEW MATERIAL TECHNOLOGY CO.,LTD
Address:	-----, GAOXIN DISTRICT HUAIHUA CITY, HUNAN PROVINCE
Contact Name:	詹武虹

The Following Sample Was Submitted And Identified By/On Behalf Of The Applicant As: Medical Protective Mask	
End Uses	: Non Sterile Medical Face Mask
Ratings	: Type II
Sample Name	: Disposable Medical mask
Colour	: White
Size	: 15cm*22cm
Standard	: EN 14683:2019+ AC:2019
Date received/ Test Started	: Apr 07, 2020
Ref	: Medical Protective mask, Folding

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



Lin Lin
General Manager

Can / pennytao



Page 1 Of 6

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Original Sample Photo



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Summary of testing:

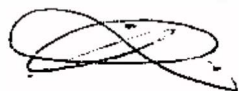
With reference to following standard:

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

Materials Used in The Submitted Sample Were Found To **NOT** Comply With The Type II Requirements of EN 14683:2019+AC:2019 with respect to Differential Pressure test.

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

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Page 3 Of 6

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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)	Requirement (cfu/g)
	Test component	
	(1)	
Total Plate Count (30°C)	13	-
Total Plate Count (20 to 25°C)	<1#	-
Microbial cleanliness	13	Type II: ≤30

cfu = Colony Forming Unit

≤ = Not More Than

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

Tested component:

(1) White Non Sterile Medical Face Mask

Sample received condition: Sample in closed plastic bag.

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- 2 Bacterial Filtration Efficiency (EN 14683:2019+AC:2019, Clause 5.2.2, Testing Refer To Annex B):
Flow rate: 28.3L/min, Test area:77cm², Test bacteria: Staphylococcus aureus ATCC 6538, Inside of the test mask was facing towards the challenge aerosol, The average plate count results of the positive controls:2.2×10³ CFU, The average plate count results of the negative controls:<1CFU.

<u>Tested Sample</u>	<u>Result (%)</u>	<u>Performance Requirement for Medical Face Mask (%)</u>
Specimen (1)	99.9	Type II: ≥ 98%
Specimen (2)	99.9	
Specimen (3)	99.9	
Specimen (4)	99.9	
Specimen (5)	99.9	

Remark : Test was conducted by external provider.

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- 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)	60.5	
Specimen (2)	59.3	
Specimen (3)	69.0	
Specimen (4)	64.4	
Average	63.4	

Remark : Test was conducted by external provider.

End of Report

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Page 6 Of 6

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