

REPORT NUMBER:

SHAT06508598

Original Sample Photo



TEST REPORT

Number : SHAT06508598

Applicant : NINGBO JIANXIANG PACKAGING MATERIAL TECH
NO.19-2,MIAOFENG ROAD,TAOYUAN
STREET,NINGBO,ZHEJIANG,PEOPLE'S
REPUBLIC OF CHINA
Attn : PAN YAFEN

Date : Jun 30, 2020

Sample Description As Declared :

No. Of Sample : Several
Material : -
Sample Name : Surgical Mask
Finishing : -
End Uses : -
Colour : Blue
Style No. : -
Order No./PO No. : -
Size : 17.5cmx9.5cm
Standard : EN 14683:2019+AC:2019
Ratings : Type IIR
Buyer's Name : -
Manufacturer's Name : Ningbo Jianxiang Packaging Material Technology Co.,Ltd.
Ref. : -

Applicant's Provided Care Instruction/Label : -

Date Sample Received : Jun 04, 2020

Date Testing Started : Jun 08, 2020

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, Differential Pressure, Splash Resistance Pressure and Microbial Cleanliness tests.

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai



Jennifer Ren
General Manager

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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.

<u>Test Item</u>	<u>Results (%)</u>					<u>Performance Requirement for Medical Face Mask (%)</u>
	Specimen (1)	Specimen (2)	Specimen (3)	Specimen (4)	Specimen (5)	
Bacterial Filtration Efficiency (BFE)	99.4	99.5	99.2	99.3	99.4	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: 2600 CFU
6. The average plate count results of the negative controls: < 1 CFU
7. CFU = Colony Forming Unit

Remark: This Test Was Conducted By Intertek Testing Services Guangzhou Ltd.

2 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)	54.1	Type IIR: < 60
Specimen (2)	56.7	
Specimen (3)	56.5	
Specimen (4)	51.1	
Specimen (5)	55.9	
Average	54.9	

Remark: This Test Was Conducted By Intertek Testing Services Guangzhou Ltd.

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3 Splash Resistance Pressure (ISO 22609:2004):

Synthetic Blood Surface Tension: 0.041 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	
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

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Tests Conducted (As Requested By The Applicant)

4 Microbial Cleanliness

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

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

Remark:

cfu = colony forming unit

≤ = Not more than

= No colony was detected at the extraction liquid of the samples.

Remark: This Test Was Conducted By Intertek Testing Services Guangzhou Ltd.

5 Product Size Measurement:

17.2 x 9.4 cm

End of Report

Remark: This statement of conformity is only based on the actual measured test result by the laboratory, without taking the influence of uncertainty into account.

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