



NUMBER : TSNT01278569

Applicant : Biotech Medical Equipment (Zhejiang) Co., Ltd.  
building 1, wanshili technology park, No.619 wangmei road,  
yuhang district, hangzhou city, zhejiang province, PRC.  
Attn : Zhu Xiaohui

Date : May 19, 2020

Sample Description As Declared :

No. Of Sample : One  
Fibre Content : -  
Material : One (1) Piece Of Submitted Sample Said To Be Disposable Protection Face Mask In Blue.  
Finishing : -  
End Uses : -  
Colour : Blue  
Style No. : -  
Order No./PO No. : -  
Buyer's Name : -  
Agent's Name : -  
Manufacturer's Name : -  
Sample Submitted Status : Wrapped With Polybag

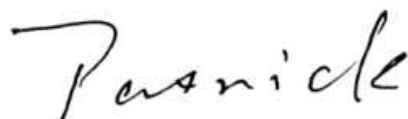
Applicant's Provided Care Instruction/Label : -

Date Received/Date Test Started : Mar 25, 2020

Tests Conducted:

As Requested By The Applicant, For Details Refer To Attached Page(S)

Authorized By :  
For Intertek Testing Services  
(Tianjin) Ltd.



Patrick Gong  
General Manager

NUMBER : TSNT01278569

Tests Conducted:

1. Bacterial Filtration Efficiency (EN 14683:2019, Clause 5.2.2, Testing Refer To Annex B):

		Performance Requirement for_ Medical Face Mask
Specimen (1)	96.0%	Type I : $\geq 95\%$
Specimen (2)	96.6%	Type II : $\geq 98\%$
Specimen (3)	95.7%	Type IIR : $\geq 98\%$
Specimen (4)	95.2%	
Specimen (5)	96.5%	

Remark : 1. Bacterial challenge : *Staphylococcus Aureus ATCC 6538*, average : 2,039 CFU for the testing  
 2. Mean particle size : 3.0  $\mu\text{m}$   
 3. Testing side : outside of specimen facing the challenge.  
 4. Tested area : 39.5  $\text{cm}^2$  (Modified)  
 5. Test was conducted by TTRI.

The Test Was Conducted By Intertek Testing Services Taiwan Ltd.

2. Differential Pressure (EN 14683:2019 Annex C):

		Performance Requirement for_ Medical Face Mask
Specimen (1)	30.8 $\text{Pa}/\text{cm}^2$	Type I < 40 $\text{Pa}/\text{cm}^2$
Specimen (2)	32.7 $\text{Pa}/\text{cm}^2$	Type II < 40 $\text{Pa}/\text{cm}^2$
Specimen (3)	31.3 $\text{Pa}/\text{cm}^2$	Type IIR < 60 $\text{Pa}/\text{cm}^2$
Specimen (4)	30.8 $\text{Pa}/\text{cm}^2$	
Specimen (5)	33.1 $\text{Pa}/\text{cm}^2$	
Average	31.7 $\text{Pa}/\text{cm}^2$	

Remark : Test was conducted by TTRI.

The Test Was Conducted By Intertek Testing Services Taiwan Ltd.

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Tests Conducted :

3. Resistance To Penetration By Synthetic Blood (EN 14683:2019, Clause 5.2.4, Testing Refer To ISO 22609:2004):

Test Pressure : 120 mm Hg (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

Performance  
Requirement for  
Medical Face Mask  
Type I : Not Required  
Type II : Not Required  
Type IIR :  $\geq 16.0$  kPa

Remark : Test was conducted by TTRI.

The Test Was Conducted By Intertek Testing Services Taiwan Ltd.

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Tests Conducted :

4. Microbial Cleanliness (EN 14683:2019, Clause 5.2.5, Testing Refer To EN ISO 11737-1:2018):

		Performance Requirement for_ Medical Face Mask
Specimen (1)	6.8 cfu/g	≤ 30 cfu/g
Specimen (2)	8.1 cfu/g	
Specimen (3)	3.0 cfu/g	
Specimen (4)	8.1 cfu/g	
Specimen (5)	4.0 cfu/g	

Remark : Test was conducted by TTTRI.

The Test Was Conducted By Intertek Testing Services Taiwan Ltd.

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