



中国认可  
国际互认  
检测  
TESTING  
CNAS L0599

Date: July 02,2020

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The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)Disposable Medical Mask

SGS Internal Ref No. :

Style No. : ear hanging type

Manufacture date : 2020.03.27

Sample Color : (A)BLUE

Specifications : ear hanging type

Roll/ Lot No. :

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Jun 09, 2020

Testing Period : Jun 09, 2020 - Jul 02,2020

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Sara Guo (Account Executive)

Dongjing Liu / Hailian Xuan (Authorized Signatory)



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Test Result

**EN 14683:2019+AC:2019 Medical Face Masks-Requirements and Test Methods**

**Clause 5.2 Performance Requirement**

**Clause 5.2.2 Bacterial filtration efficiency (BFE)**

(EN 14683:2019+AC:2019 Annex B)

Sample: A

Conditioning Parameters : Minimum of 4 hours at 21±5°C and 85±5% R.H.  
Dimensions of test specimen : ~170 mm x 150 mm  
Test Area : ~60 cm<sup>2</sup>  
Test Side : Inside  
Flow Rate : 28.3 l/min  
Positive Control Average : 2542 CFU  
Negative Monitor Count : < 1 CFU

	1#	2#	3#	4#	5#
(BFE), %	99.9	99.9	99.9	99.9	99.9

Remark: Performance Requirement: Type I ≥95%, Type II ≥98%, Type IIR ≥98%

**Clause 5.2.3 Breathability**

(EN 14683 :2019+AC:2019 Annex C)

Sample: A

Test number and location : 5 random areas for each specimen (face mask)  
Conditioning Parameters : Minimum of 4 hours at 21±5°C and 85±5% R.H.  
Test Area : 4.9 cm<sup>2</sup>  
Flow Rate : 8 l/min

	1#	2#	3#	4#	5#
Differential pressure ΔP (Pa/cm <sup>2</sup> )	46	41	42	41	40

Remark: Performance Requirement: Type I <40 Pa/cm<sup>2</sup>, Type II <40 Pa/cm<sup>2</sup>, Type IIR <60 Pa/cm<sup>2</sup>



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**Clause 5.2.4 Splash Resistance**  
(ISO 22609 :2004, Pressure 16.0 kPa)

Penetration on inside surface							
1#	2#	3#	4#	5#	6#	7#	8#
Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
9#	10#	11#	12#	13#	14#	15#	16#
Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
17#	18#	19#	20#	21#	22#	23#	24#
Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
25#	26#	27#	28#	29#	30#	31#	32#
Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Number of Pass:				32			
Overall result:				Acceptable			

Remark:

- 1) Performance Requirement Type I: N/A, Type II: N/A, Type IIR:  $\geq 16.0\text{kPa}$
- 2) Distance of the medical face mask target area surface to the tip of cannula is  $300\pm 10\text{mm}$ .
- 3) Condition and Test temperature  $(21\pm 5)^{\circ}\text{C}$ , relative humidity  $(85\pm 10)\%$
- 4) An acceptable quality limit of 4.0% is met for a single sampling plan when 29 or more of the 32 tested specimens show pass results

**Clause 5.2.5 Microbial Cleanliness**

(EN 14683:2019+AC:2019 Annex D and EN ISO 11737-1:2018)

Sample Number	Mask Weight(g)	Total Bioburden, (CFU/mask)	Total Bioburden, (CFU/g)
1#	3.28	<3	<0.91
2#	3.33	<3	<0.9
3#	3.29	<3	<0.91
4#	3.30	<3	<0.91
5#	3.25	<3	<0.92

Remark: Performance Requirement: Type I  $\leq 30\text{ CFU/g}$ , Type II  $\leq 30\text{ CFU/g}$ , Type IIR  $\leq 30\text{ CFU/g}$



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Sample Photo



The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

\*\*\*End of Report\*\*\*



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