

Test Report

SL52035261793301TX

Date: July 10, 2020

Page 1 of 4

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

Sample Description : (A) Disposable face mask

SGS Internal Ref No. : QDHL2006006091MD

Style No. : TB01/20318

Sample Color : (A) Blue

Manufacturer :

Roll/ Lot No. : 20318

Proposed Care Instruction : -

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

Sample Receiving Date : Jun 29, 2020

Testing Period : Jun 29, 2020 - Jul 10, 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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SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center

3rd Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233

t (86-21) 61402666 f (86-21) 64958763
t (86-21) 61402666 f (86-21) 64958763

www.sgs.com
e sgs.china@sgs.com

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 : ~172mm x 160mm
 Test Area : ~60 cm²
 Test Side : Inside
 Flow Rate : 28.3 l/min
 Positive Control Average : 2567 CFU
 Negative Monitor Count : < 1 CFU

| | 1# | 2# | 3# | 4# | 5# |
|----------|------|------|------|------|------|
| (BFE), % | 99.9 | 99.6 | 99.6 | 99.4 | 99.6 |

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



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 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. 3rd Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgsgroup.com.cn
 Testing Center: No. 3599, Zhongyuan Road, Songjiang District Shanghai, China 201600 t (86-21) 61402666 f (86-21) 64958763 e sgs.china@sgs.com
 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 e sgs.china@sgs.com

Clause 5.2.3 Breathability

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

Sample: A

Test Side : Randomly test in different location (1 around and 4 away from the centric point) on each of the 5 masks

Pre-Conditioning : Minimum of 4 hours at 21±5°C and 85±5% R.H.

Test Area : 4.9 cm²

Flow Rate : 8 l/min

| Specimen No. | Test Area No. | Different Pressure for each tested area (Pa/cm ²) | The average value for each test specimen (Pa/cm ²) |
|--------------|---------------|---|--|
| 1 | 1-1 | 33.5 | 33 |
| | 1-2 | 32.0 | |
| | 1-3 | 31.1 | |
| | 1-4 | 39.1 | |
| | 1-5 | 30.7 | |
| 2 | 2-1 | 35.2 | 33 |
| | 2-2 | 32.4 | |
| | 2-3 | 32.3 | |
| | 2-4 | 34.3 | |
| | 2-5 | 32.8 | |
| 3 | 3-1 | 33.2 | 31 |
| | 3-2 | 28.5 | |
| | 3-3 | 27.7 | |
| | 3-4 | 31.4 | |
| | 3-5 | 33.5 | |
| 4 | 4-1 | 35.9 | 35 |
| | 4-2 | 33.3 | |
| | 4-3 | 33.7 | |
| | 4-4 | 35.8 | |
| | 4-5 | 34.9 | |
| 5 | 5-1 | 35.5 | 34 |
| | 5-2 | 30.9 | |
| | 5-3 | 35.6 | |
| | 5-4 | 33.6 | |
| | 5-5 | 33.6 | |

Remark:

- 1) Performance Requirement: Type I<40 Pa/cm², Type II<40 Pa/cm², Type IIR<60 Pa/cm²
- 2) The number of specimens that shall be tested is minimum 5, but can be greater and shall be increased if necessary to allow for an AQL(Acceptable Quality Level) of 4%.



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 Testing Center: 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 e sgs.china@sgs.com

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# | 3.12 | 48 | 15.38 |
| 2# | 3.11 | 57 | 18.33 |
| 3# | 3.14 | 30 | 9.55 |
| 4# | 3.15 | 42 | 13.33 |
| 5# | 3.11 | 90 | 28.94 |

Remark: Performance Requirement: Type I ≤ 30 CFU/g, Type II ≤ 30 CFU/g, Type IIR ≤ 30 CFU/g

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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