







Test Report SL52025256537201TX Date:May 21,2020 Page 1 of 3

QINGDAO HAINUO BIOLOGICAL ENGINEERING CO., LTD JIANGSHAN INDUSTRIAL PARK, LAIXI, QINGDAO, CHINA

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

Sample Description : (A)Disposable Medical Face Mask

Style No. : C010

Composition : (A)PP Non-woven, Melt-blown fabric

Sample Color : (A)Blue

Manufacturer : QINGDAO HAINUO BIOLOGICAL ENGINEERING CO., LTD

Country of Destination : EUR

Supplier : QINGDAO HAINUO BIOLOGICAL ENGINEERING CO., LTD

Proposed Care Instruction: -

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

Sample Receiving Date : May 06, 2020

Testing Period : May 09, 2020 - May 21, 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

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Sara Guo (Account Executive)



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Test Result

### **Medical Face Masks-Requirements and Test Methods**

(EN 14683:2019)

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

(EN 14683 :2019 Annex B)

	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 (Differential Pressure)

(EN 14683 :2019 Annex C, Flow rate 8 I/min)

	1#	2#	3#	4#	5#
Differential pressure △P (Pa/cm²)	34	34	35	36	35

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>

#### 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	Fail	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 P	ass:		31				
Overall resul	erall result: Acceptable						

# Remark:

- 1) Performance Requirement Type I: N/A, Type II: N/A, Type IIR: ≥16.0kPa
- 2) Distance of the medical face mask target area surface to the tip of cannula is 300±10mm.
- 3) Condition and Test temperature (21±5)° C, relative humidity (85±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



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<sup>\*</sup> This test standard is not within the accredited scope in SGS Shanghai testing centre, it is carried out by external laboratory accredited by CMA (China Metrology Accreditation).



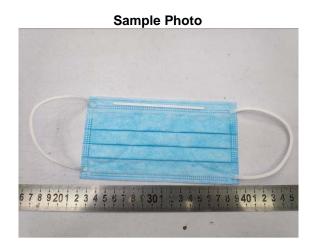
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**Clause 5.2.5 Microbial Cleanliness** 

(EN 14683: 2019 Annex D)

1# 2# 3# 4# 5# CFU/g <1 <1 <1 <1 <1

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



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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