

Test Report **SL52025257468801TX** **Date: June 04, 2020** **Page 1 of 3**

HUNAN LIANGGUO MEDICAL TECHNOLOGY CO., LTD.
NO. 40613, ZHONGCHUANG SPACE CARD BLOCK, 4TH FLOOR, COMPREHENSIVE BUILDING, HUNAN UNIVERSITY SCIENCE AND TECHNOLOGY INDUSTRIAL PARK, NO. 001, JINZHOU NORTH ROAD, NINGXIANG HIGH-TECH INDUSTRIAL PARK, CHANGSHA CITY, HUNAN PROVINCE

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

Sample Description : (A)Medical Surgical Face Mask: Flat form ear loop
Country of Destination: EU Member States

Composition : (A)Melt-blown fabric and spunbond non-woven fabric
Sample Color : (A)Blue/ white
Manufacturer : HUNAN LIANGGUO MEDICAL TECHNOLOGY CO., LTD.
Supplier : HUNAN LIANGGUO MEDICAL TECHNOLOGY CO., LTD.

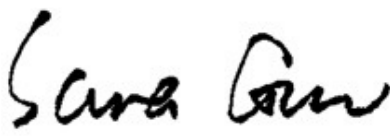
Proposed Care Instruction : -

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

Sample Receiving Date : May 14, 2020
Testing Period : May 14, 2020 - Jun 04, 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 (Authorized Signatory)



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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%

* 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).

Clause 5.2.3 Breathability (Differential Pressure)

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

	1#	2#	3#	4#	5#
Differential pressure ΔP (Pa/cm ²)	37	38	39	38	37

Remark: Performance Requirement: Type I <40 Pa/cm², Type II <40 Pa/cm², Type IIR <60 Pa/cm²

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: ≥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



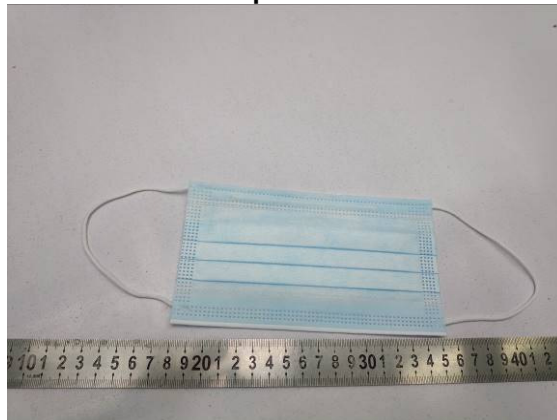
Clause 5.2.5 Microbial Cleanliness

(EN ISO 11737-1:2018)

	1#	2#	3#	4#	5#
CFU/g	8	7	15	1	11

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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