

Test Report **SL52025258709901TX** **Date: June 17, 2020**
CHUZHOU DADDY'S CHOICE SCIENCE AND TECHNOLOGY CO., LTD
MIDDLE OF NANJING ROAD, LANGYA DISTRICT, CHUZHOU CITY, ANHUI PROVINCE.

Page 1 of 3

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

Sample Description : (A)Surgical mask
Composition : (A)66% Non-woven fabric, 34% melt-blown fabric
Sample Color : (A)Blue and White
Manufacturer : CHUZHOU DADDY'S CHOICE SCIENCE AND TECHNOLOGY CO., LTD
Lot No. : 20200524

Proposed Care Instruction : -

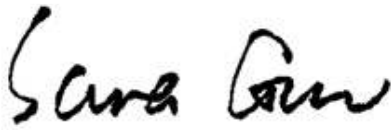
Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : May 26, 2020

Testing Period : May 26, 2020 - Jun 17, 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)



Helen Xuan (Authorized Signatory)



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Test Result

Standard Specification for Performance of Materials Used in Medical Face Masks
(ASTM F2100-2019)

Section 6.1 Bacterial filtration efficiency (BFE)
(ASTM F2101)

	1#	2#	3#	4#	5#
(BFE), %	99.4	99.7	99.8	99.7	99.7

Remark: Performance Requirement: Level 1 $\geq 95\%$, Level 2 $\geq 98\%$, Level 3 $\geq 98\%$

Section 6.1 Differential Pressure
(EN 14683 :2019 Annex C, Flow rate 8 l/min)

	1#	2#	3#	4#	5#
Differential pressure ΔP (mm H ₂ O/cm ²)	2.4	2.7	2.8	3.1	2.9

Remark: Performance Level: Level 1 Barrier: <5.0mm H₂O/cm², Level 2 Barrier: <6.0 mm H₂O/cm², Level 3 Barrier: <6.0 mm H₂O/cm²

Section 6.1 Resistance to Penetration by Synthetic Blood
(ASTM F1862/F1862M-2017)

Pressure 160mmHg

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	Fail	Pass
25#	26#	27#	28#	29#	30#	31#	32#
Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Number of Pass:			30				
Overall result:			Acceptable				

Remark:

- 1) Performance Requirement Level 1 Barrier: 80mmHg, Level 2 Barrier: 120mmHg, Level 3 Barrier: 160mmHg
- 2) Distance of the medical face mask target area surface to the tip of cannula is 30.5cm.
- 3) Condition and Test temperature (21 \pm 5)^o C, relative humidity (85 \pm 5)%
- 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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Section 6.2 Flammability
(16 CFR Part 1610 - 2008)

Sample : A
Fabric Surface : Smooth
Test Specimen Direction : Length

As Received	
Burn Code	
(1)	IBE
(2)	IBE
(3)	IBE
(4)	IBE
(5)	IBE

Flammability Classification: Class 1

Requirement: Class 1 for Level 1/ Level 2/ Level 3

Conclusion: Pass

Remarks

Class 1 Normal Flammability
Class 1 textiles exhibit normal flammability and are acceptable for use in clothing.

Burn Code Description:

IBE = Ignited, but extinguished

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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