

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

Sample Description : (A)Surgical gown(SMS)

Sample Color : (A)Blue

Sample Receiving Date : May 09, 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).

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

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

Sara Guo (Account Executive)

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Test Result

Liquid Barrier Performance and Classification of Protective apparel and Drapes Intended for Use in Health Care Facilities

(ANSI/AAMI PB70-2012)

Section 4.2.1 Water Resistance: Impact Penetration Test

(AATCC 42-2017)

As received

Weight of blotter gained (g)	1#	2#	3#	4#	5#
Area A (Critical zone-front)	0.2	0.1	0.2	0.0	0.1
Area B (Critical zone-sleeve)	0.2	0.5	0.2	0.3	0.4
Area C(Front)	0.0	0.0	0.2	0.0	0.1
Area D(Back)	0.2	0.3	0.2	0.3	0.4
Seam between areas C&D	0.1	0.0	0.0	0.1	0.0

Remark:

- Level 1: all critical zone components shall have a blotter weight gain of no more than 4.5grams(g)
- Level 2: all critical zone components shall have a blotter weight gain of no more than 1.0 grams(g)
- Level 3: all critical zone components shall have a blotter weight gain of no more than 1.0 grams(g)

Section 4.2.1 Water Resistance: Hydrostatic Pressure Test

(AATCC 127-2018; Hydrostatic Head; Rate of increase of water pressure:60mbar/min; temp. of distilled water: 21 ° C, fabric face side of water)

As received

Water Column (cmH ₂ O)	1#	2#	3#	4#	5#
Area A (Critical zone-front)	>20.0	>20.0	>20.0	>20.0	>20.0
Area B (Critical zone-sleeve)	>20.0	>20.0	>20.0	>20.0	>20.0
Area C(Front)	>20.0	>20.0	>20.0	>20.0	>20.0
Area D(Back)	>20.0	>20.0	>20.0	>20.0	>20.0
Seam between areas C&D	>20.0	>20.0	>20.0	>20.0	>20.0

Remark:

- Level 2: all critical zone components shall have a hydrostatic resistance of at least 20cmH₂O
- Level 3: all critical zone components shall have a hydrostatic resistance of at least 50cmH₂O

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Barrier performance of each component and final classification commended.

	Impact Penetration Test AATCC 42(g)	Hydrostatic Pressure Test AATCC 127(cmH ₂ O)	Resistance to Bacteriophage Phi-X174 ASTM F 1671	Level	Final classification
Area A (Critical zone-front)	0.2	>20.0	/	Level 2	Level 2
Area B (Critical zone-sleeve)	0.5	>20.0	/	Level 2	
Area C(Front)	0.2	>20.0	/	Level 2	
Area D(Back)	0.4	>20.0	/	Level 2	
Seam between areas C&D	0.1	>20.0	/	Level 2	

Remark:

- 1) The barrier performance of all critical zone components, including seams and points of attachments, shall be determined;
- 2) The critical zone comprises at least area A and B. The classification of the surgical gown is based on the lower-performing component of the two;
- 3) The back of the surgical gown (area D) may be nonprotective;
- 4) Seams between protective and nonprotective areas have no barrier requirements;
- 5) Seams between two protective areas are required to have at least the barrier performance of the lower-performing area;
- 6) Level 1: Impact Penetration Test-AATCC 42: ≤4.5g;
- 7) Level 2: Impact Penetration Test-AATCC 42: ≤1.0g; Hydrostatic Pressure Test-AATCC 127: ≥20cmH₂O;
- 8) Level 3: Impact Penetration Test-AATCC 42: ≤1.0g; Hydrostatic Pressure Test-AATCC 127: ≥50cmH₂O;
- 9) Level 4: Resistance to Bacteriophage Phi-X174-ASTM F 1671: Pass.
- 10) Only test the barrier performance of the sample. Label request, construction and other classed in ANSI/AAMI PB70-2012 is not checked.

Sample Photo



End of Report

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