

RIZHAO SANQI MEDICAL & HEALTH ARTICLES CO., LTD.

HESHAN INDUSTRY PARK, DONGGANG DISTRICT, RIZHAO CITY, SHANDONG PROVINCE, CHINA

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

Sample Description : (A)Surgical Gown (Claimed level: 3)

Sample Color : (A)blue

Composition : (A)45G SMS

Style No. : SQ-G3001

Lot No. : 210701

Manufacturer : RIZHAO SANQI MEDICAL & HEALTH ARTICLES CO., LTD.

Country of Origin : China

Sample Receiving Date : Jul 12, 2021

Testing Period : Jul 12, 2021 - Jul 14, 2021

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

Conclusion	A	Remark
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Section 4.2.1 Water Resistance: Hydrostatic Pressure Test	PASS
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Section 4.2.1 Water Resistance: Impact Penetration Test	PASS
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Remark(s) : PASS=Meet Client's Requirement

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

York Yao

York Yao (Account Executive)



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Test Result

ANSI/AAMI PB70: 2012 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)	52.5	56.5	53.3	55.5	56.0
Area B (Critical zone-sleeve)	70.0	52.6	53.4	68.2	52.8
Area C (front)	62.2	61.8	61.9	63.0	62.6
Area D (back)	59.8	59.6	60.2	59.7	60.6
Seam between areas A&C	51.2	51.6	52.8	52.0	52.6
Seam between areas C&D	62.2	61.2	63.3	62.6	61.9

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

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)	0.0	0.0	0.0	0.0	0.0
Area B (Critical zone-sleeve)	0.0	0.0	0.0	0.0	0.0
Area C (front)	0.0	0.0	0.0	0.0	0.0
Area D (back)	0.0	0.0	0.0	0.0	0.0
Seam between areas A&C	0.0	0.0	0.0	0.0	0.0
Seam between areas C&D	0.0	0.0	0.0	0.0	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)



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Section 7.1 Liquid Barrier Performance and Classification of Protective apparel and Drapes Intended for Use in Health Care Facilities

(ANSI/AAMI PB70: 2012)

Barrier performance of each component and final classification commended.

	Impact Penetration Test AATCC 42	Hydrostatic Pressure Test AATCC 127	Resistance to Bacteriophage Phi-X174 ASTM F 1671	Level	Final classification
Area A (critical zone-front)	0.0g	52.5 cmH ₂ O	/	Level 3	Level 3
Area B (critical zone-sleeve)	0.0g	52.6 cmH ₂ O	/	Level 3	
Area C (front)	0.0g	61.8 cmH ₂ O	/	Level 3	
Area D (back)	0.0g	59.6 cmH ₂ O	/	Level 3	
Seam between areas A&C	0.0g	51.2 cmH ₂ O	/	Level 3	
Seam between areas C&D	0.0g	61.2 cmH ₂ O	/	Level 3	

Remark:

- 1) The barrier performance of all critical zone components, including seams and points of attachments, shall be determined. The classification of isolation gown shall be a number denoting the performance of the critical zone component having the lower barrier performance.
- 2) Level 1: Impact Penetration Test-AATCC 42: ≤4.5g;
- 3) Level 2: Impact Penetration Test-AATCC 42: ≤1.0g; Hydrostatic Pressure Test-AATCC 127: ≥20cmH₂O;
- 4) Level 3: Impact Penetration Test-AATCC 42: ≤1.0g; Hydrostatic Pressure Test-AATCC 127: ≥50cmH₂O;
- 5) Level 4: Resistance to Bacteriophage Phi-X174-ASTM F 1671: Pass.
- 6) Only test the barrier performance of the sample. Label request, construction and other classed in ANSI/AAMI PB70: 2012 is not checked.

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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