

Test Report **SL52035260047201TX** **Date: June 12, 2020** **Page 1 of 4**
XIANTAO RHYCOM NON-WOVEN PRODUCTS CO., LTD
CHUANGYE ROAD, LONGHUASHAN SUB-DISTRICT, XIANTAO CITY, HUBEI PROVINCE, CHINA

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

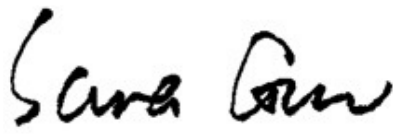
Sample Description : (A)Surgical gown
Style No. : RK-3011A
Composition : (A)Non-woven fabric
Sample Color : (A)Blue
Manufacturer : XIANTAO RHYCOM NON-WOVEN PRODUCTS CO., LTD

Sample Receiving Date : Jun 10, 2020
Testing Period : Jun 10, 2020 - Jun 12, 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)	0.3	0.4	0.2	0.1	0.3
Area B (Critical zone-sleeve)	0.9	0.5	0.5	0.8	0.7
Area C(Front)	0.9	0.7	0.9	0.7	0.5
Area D(Back)	0.4	0.3	0.4	0.5	0.6
Seam between areas C&D	0.6	0.4	0.6	0.3	0.3

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)	30.5	38.2	33.8	40.3	41.5
Area B (Critical zone-sleeve)	38.4	29.9	34.3	33.0	35.8
Area C(Front)	33.6	40.5	27.3	35.2	30.9
Area D(Back)	35.5	39.9	37.1	36.1	37.9
Seam between areas C&D	39.5	42.3	42.4	45.6	41.1

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



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)	0.4	30.5	/	Level 2	Level 2
Area B (Critical zone-sleeve)	0.9	29.9	/	Level 2	
Area C(Front)	0.9	27.3	/	Level 2	
Area D(Back)	0.6	35.5	/	Level 2	
Seam between areas C&D	0.6	39.5	/	Level 2	
Remark: <ul style="list-style-type: none"> ● The barrier performance of all critical zone components, including seams and points of attachments, shall be determined; ● 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; ● The back of the surgical gown (area D) may be nonprotective; ● Seams between protective and nonprotective areas have no barrier requirements; ● Seams between two protective areas are required to have at least the barrier performance of the lower-performing area; ● Level 1: Impact Penetration Test-AATCC 42: ≤4.5g; ● Level 2: Impact Penetration Test-AATCC 42: ≤1.0g; Hydrostatic Pressure Test-AATCC 127: ≥20cmH₂O; ● Level 3: Impact Penetration Test-AATCC 42: ≤1.0g; Hydrostatic Pressure Test-AATCC 127: ≥50cmH₂O; ● Level 4: Resistance to Bacteriophage Phi-X174-ASTM F 1671: Pass. ● Only test the barrier performance of the sample. Label request, construction and other classed in ANSI/AAMI PB70-2012 is not checked. 					



Sample Photo



Face

Back

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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