

Test Report

SL52035261850101TX

Date: July 02, 2020

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XIANTAO ZHONGTAI PROTECTIVE PRODUCTS CO.,LTD  
NO.3, TAIZI LAKE INDUSTRY PARK, XIANTAO CITY, HUBEI PROVINCE, CHINA

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

Sample Description : (A) Isolation gown

Style No. : 5230

Composition : (A) pp+pe

Sample Color : (A) blue

No. of Sample : 11

Sample Receiving Date : Jun 30, 2020

Testing Period : Jun 30, 2020 - Jul 02, 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)  | 0.0 | 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 (Critical zone-Back)   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Seam between areas A&B        | 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 B&C        | 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)

**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 <sub>2</sub> 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 (Critical zone-Back)       | >20.0 | >20.0 | >20.0 | >20.0 | >20.0 |
| Seam between areas A&B            | >20.0 | >20.0 | >20.0 | >20.0 | >20.0 |
| Seam between areas A&C            | >20.0 | >20.0 | >20.0 | >20.0 | >20.0 |
| Seam between areas B&C            | >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 20cmH<sub>2</sub>O
- Level 3: all critical zone components shall have a hydrostatic resistance of at least 50cmH<sub>2</sub>O



**Barrier performance of each component and final classification commended**

|                               | Impact Penetration Test AATCC 42 (g) | Hydrostatic Pressure Test AATCC 127 (cmH <sub>2</sub> O) | Resistance to Bacteriophage Phi-X174 ASTM F 1671 | Level   | Final classification |
|-------------------------------|--------------------------------------|--|--|---------|----------------------|
| Area A (Critical zone-front)  | 0.0                                  | >20.0  | /  | Level 2 | Level 2              |
| Area B (Critical zone-sleeve) | 0.0                                  | >20.0  | /  | Level 2 |                      |
| Area C (Critical zone-Back)   | 0.0                                  | >20.0  | /  | Level 2 |                      |
| Seam between areas A&B        | 0.0                                  | >20.0  | /  | Level 2 |                      |
| Seam between areas A&C        | 0.0                                  | >20.0  | /  | Level 2 |                      |
| Seam between areas B&C        | 0.0                                  | >20.0  | /  | Level 2 |                      |

**Remark:**

- 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.
- Level 1: Impact Penetration Test-AATCC 42: ≤4.5g;
- Level 2: Impact Penetration Test-AATCC 42: ≤1.0g; Hydrostatic Pressure Test-AATCC 127: ≥20cmH<sub>2</sub>O;
- Level 3: Impact Penetration Test-AATCC 42: ≤1.0g; Hydrostatic Pressure Test-AATCC 127: ≥50cmH<sub>2</sub>O;
- 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.

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### 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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