

# GÜLSAN SENTETİK DOKUMA SAN. VE TIC.A.Ş. **TEST REPORT**

## **SCOPE OF WORK**

Performance Testing of Surgical Gowns to  
ANSI/AAMI PB70:2012 American National Standard for  
Liquid Barrier Performance and Classification of  
Protective Apparel and Drapes Intended for  
Use in Health Care Facilities

## **REPORT NUMBER**

104366460CRT-004

## **ISSUE DATE**

July 8, 2020

## **PAGES**

5

## **DOCUMENT CONTROL NUMBER**

RT-L-US-Test-3470 (9/1/2017)

© 2017 INTERTEK



## TEST REPORT FOR GÜLSAN SENTETİK DOKUMA SAN. VE TIC.A.Ş.

Report No.: 104366460CRT-004

Date Issued: July 8, 2020

### MANUFACTURER

Gülsan Sentetik Dokuma San. ve Tic.A.Ş.  
Organize Sanayi Bolgesi 2. Cadde No:18  
27620 Gaziantep  
Turkey

### TEST STANDARD

ANSI/AAMI PB70:2012 American National Standard on Liquid Barrier Performance and Classification of Protective Apparel and Drapes Intended for Use in Health Care Facilities using ASTM F1671 / F1671M - 13: Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System

### AUTHORIZATION

Quote Number: Qu-01085425-2

### PRODUCT DESCRIPTION

Sample Type: Gown Material

ID Number: 55gsm Breathable Laminate for Protective Clothing / Coverall Suit – S064

### SAMPLE INFORMATION

Dates Samples Received: June 22, 2020

Condition of Samples: Production Run

Date of Testing: July 7, 2020

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

## TEST REPORT FOR GÜLSAN SENTETİK DOKUMA SAN. VE TIC.A.Ş.

Report No.: 104366460CRT-004

Date Issued: July 8, 2020

### SECTION 1

#### CONCLUSION

This test report completes the testing covered by quote number Qu-01085425-2.

The observations and test results in this report are relevant only to the sample tested. Intertek makes no representations or warranties, express or implied, regarding units that were not tested including, but not limited to, units that may be part of the same lot.

If there are any questions regarding the results contained in this report, or any other services offered by Intertek, please do not hesitate to contact the undersigned.

Please note this Test Report does not represent authorization for the use of any Intertek certification marks.

**Project  
Owner:**

Kimberly Lea

**Title:**

Engineer, PPE Bio Lab

**Signature:**



**Date**

08-07-2020

**Project  
Reviewer:**

Kristine Perrotti

**Title:**

Engineer,  
Chem/Bio/Clothing Team  
Lead

**Signature**



**Date:**

08-07-2020

Date: July 8, 2020

**SECTION 2****ASTM F1671 / F1671M – 13 TEST DATA SHEETS****PRODUCT DESCRIPTION:** 55gsm Breathable Laminate for Protective Clothing / Coverall Suit – S064**CONDITIONING:** At a temperature of  $21 \pm 5^{\circ}\text{C}$  and a relative humidity of 30-80% until equilibrium is reached or for at least 24 hours, whichever is shorter.**TESTING PROCEDURE USED:** Procedure A: 0 psig for 5 minutes, 2 psig for 1 minute, 0 psig for 54 minutes.  
No, stainless steel retaining screen used.**TEST RESULTS:**

Quality Control Samples	PFU/ml	Results
Negative Control	0	Acceptable (valid test)
Pre-test Bacteriophage Titer	$3.0 \times 10^8$	Acceptable (valid test)
Post Test Bacteriophage Titer	$3.0 \times 10^8$	Acceptable (valid test)
Settle Plate(s)	0	Acceptable (valid test)

Sample Number	Sample Thickness (mils)	Sample Weight (g)	Assay Volume (mls)	Number of Plaques		Assay Titer (PFU/ml)	Test Terminated Due to Liquid Penetration	Pass/Fail
				Plate 1	Plate 2			
1	10	0.3259	5	0	0	0	No	Pass
2	10	0.3273	5	0	0	0	No	Pass
3	9	0.3135	5	0	0	0	No	Pass
Averages	10	0.3222						

### SECTION 3

#### ANSI/AAMI PB70:2012 CLASSIFICATION of BARRIER PERFORMANCE of SURGICAL GOWNS, ISOLATION GOWNS, OTHER PROTECTIVE APPAREL, SURGICAL DRAPES, and DRAPE ACCESSORIES

Level	Test	Result	AQL requirement (Alpha = .05)	RQL requirement (Beta = 0.10)
1	AATCC 42	≤4.5 g	4%	20%
2	AATCC 42 AATCC 127	≤1.0 g ≥20 cm	4%	20%
3	AATCC 42 AATCC 127	≤1.0 g ≥50 cm	4%	20%
4	ASTM F1671 (surgical gowns, isolation gowns and other protective apparel)	Pass	4%	20%
	ASTM F1670 (surgical drapes and drape accessories)	Pass	4%	20%