

TEST REPORT



Number: GZHT02866901

Report Ref:	GZHT02866901		
Date Received:	May 20, 2024	Date Issued:	May 20, 2024

Company Name:	RIZHAO SANQI MEDICAL & HEALTH ARTICLES CO.,LTD NO 137, RIZHAO SOUTH ROAD, HIGH-TECH ZONE, RIZHAO CITY, SHANDONG PROVINCE, CHINA
Address:	
Contact Name:	Julia Yu

Sample Description:	
The Following Sample Was Submitted And Identified By/On Behalf Of The Applicant As:	
Sample Name	: Isolation Gown
No. Of Sample	: One (10 Pieces)
Styles/Models No.	: SQ-I 3001 B
Color	: Blue
Classifications Claimed	: Level 3
Brand	: 3Q
Lot No.	: 20240510
End Uses	: Isolation Gown
Reference Standard	: ASTM F3352/F3352M-23b ASTM D5733-1999 ASTM D5587-15(2019) ASTM D5034-21 ASTM D737-18(R2023) ASTM D3776/D3776M-20

Approved by:

Sr. Manager



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QIN / janesyjiang

Intertek Testing Services Shenzhen Ltd.Guangzhou Branch

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Date Received	:	May 20, 2024
Date Test Started	:	May 20, 2024
Date Final Information Confirmed	:	-

Test was conducted on specific items, at our client's request.

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Sr. Manager



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Original Sample Photo



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Conclusion:

Tearing Strength As Received	M
Tearing Strength Of Fabrics By Trapezoid Procedure	M
Tensile Strength As Received	M
Seam Strength As Received	M
Air Permeability As Received	#
Weight Per Unit Area	#

Note : M = Meet Standard's Requirement
= No Comment

F = Below Standard's Requirement
N/A = Not Applicable

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Tests Conducted (As Requested By The Applicant)

1 Tearing Strength As Received (ASTM D5733-1999, Trapeziod Tear, Tensile Testing Machine, CRE):

Specimen No.	Machine Direction	Cross Machine Direction	Requirement
1	62.0 N/13.9 lbf	33.0 N/7.4 lbf	≥10 N [≥2.3 lbf]
2	61.4 N/13.8 lbf	26.0 N/5.9 lbf	
3	57.2 N/12.9 lbf	34.7 N/7.8 lbf	
4	58.1 N/13.1 lbf	26.4 N/5.9 lbf	
5	66.2 N/14.9 lbf	22.3 N/5.0 lbf	
Average	60.9 N/13.7 lbf	28.5 N/6.4 lbf	

2 Tearing Strength Of Fabrics By Trapezoid Procedure (ASTM D5587-15(2019), Tensile Testing Machine, CRE):

Specimen No.	Machine Direction	Cross Machine Direction	Requirement
1	62.0 N/13.9 lbf	33.0 N/7.4 lbf	≥10 N [≥2.3 lbf]
2	61.4 N/13.8 lbf	26.0 N/5.9 lbf	
3	57.2 N/12.9 lbf	34.7 N/7.8 lbf	
4	58.1 N/13.1 lbf	26.4 N/5.9 lbf	
5	66.2 N/14.9 lbf	22.3 N/5.0 lbf	
Average	60.9 N/13.7 lbf	28.5 N/6.4 lbf	

3 Tensile Strength As Received (ASTM D5034-21, 1-in Grab Test, Tensile Testing Machine, CRE):

Specimen No.	Machine Direction	Cross Machine Direction	Requirement
1	97.7 N/21.9 lbf	78.0 N/17.5 lbf	≥30 N [≥7 lbf]
2	101.7 N/22.8 lbf	79.8 N/17.9 lbf	
3	98.1 N/22.0 lbf	84.7 N/19.0 lbf	
4	105.2 N/23.6 lbf	78.9 N/17.7 lbf	
5	114.2 N/25.6 lbf	76.7 N/17.2 lbf	
6	-	79.4 N/17.8 lbf	
7	-	76.3 N/17.1 lbf	
8	-	73.6 N/16.5 lbf	
Average	103.4 N/23.2 lbf	78.4 N/17.6 lbf	

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4 Seam Strength As Received (ASTM D1683/D1683M-22, Tensile Testing Machine, CRE):

		<u>Requirement</u>
Shoulder	47.3 N/10.6 lbf (FTS)	≥30 N [≥7 lbf]
Arm Opening	47.3 N/10.6 lbf (FTS)	
Sleeves	72.7 N/16.3 lbf (FTS)	

Remark : FTS = Fabric torn at seam

5 Air Permeability As Received (ASTM D737-18(R2023)):

Specimen No.		<u>Requirement</u>
1	37.2 ft ³ /min/ft ² (18.9 cm ³ /sec/cm ²)	-
2	36.6 ft ³ /min/ft ² (18.6 cm ³ /sec/cm ²)	
3	35.1 ft ³ /min/ft ² (17.8 cm ³ /sec/cm ²)	
4	35.1 ft ³ /min/ft ² (17.8 cm ³ /sec/cm ²)	
5	36.1 ft ³ /min/ft ² (18.3 cm ³ /sec/cm ²)	
Average	36.0 ft ³ /min/ft ² (18.3 cm ³ /sec/cm ²)	

Remark: Test pressure = 125 Pa
Test area = 38 cm²

6 Weight Per Unit Area (ASTM D3776/D3776M-20, Option C):

Specimen No.		<u>Requirement</u>
1	43.9 g/m ² (1.3 oz/yd ²)	-
2	43.5 g/m ² (1.3 oz/yd ²)	
3	44.0 g/m ² (1.3 oz/yd ²)	
4	43.6 g/m ² (1.3 oz/yd ²)	
5	43.3 g/m ² (1.3 oz/yd ²)	
Average	43.7 g/m ² (1.3 oz/yd ²)	

End of Report

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