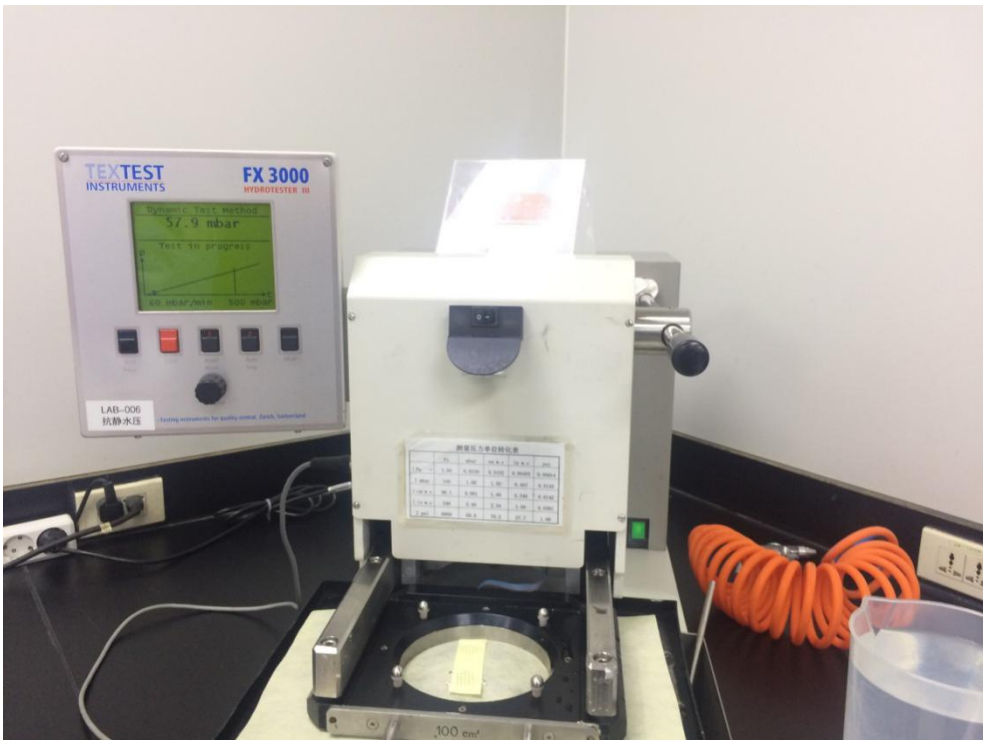
Water Resistance：Hydrostatic Pressure Final Report

Test Article: Surgical Isolation Gown
Sponsor：Jingzhou Haixin Green Cross Medical Products Co.,Ltd
Study Number: Lot.HXG10-02
Study Received Date:Oct.30.2017
Test Procedure(s):Standard Test Protocol (STP) Number: 112 Rev 06

Summary: This test method was performed to evaluate the resistance of a material to the penetration of water under hydrostatic pressure using apparatus option 2;Hydrostatic Head Tester.The hydrostatic pressure test method complies with AATCC Test Method 127,ANSI/AAMIPB70,and ISO 811;sampling was at the discretion of the sponsor. All test method Acceptance criteria were met. Testing was performed in compliance with US FDA good manufacturing practice (GMP) regulations 21 CFR Parts 210,211 and820

Test Article Preparation: Cut Front(Chest) of Gown, Back of Gown, Sleeve Seams,Side Seams and Belt Seams (attachment point) at Random.
Test Article Size: 210 x 297 mm(A4)
Test Article Side Tested:Outside
Laboratory Conditions:22.5 ° C and 50% relative humidity (RH)



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Results:

Front :Lot HXG10-02

Test Article Number	Failure Pressure (cm H_2O)	Test Article Number	Failure Pressure (cm H_2O)
1	81.5	17	68.3
2	72.4	18	76.6
3	76.5	19	70.6
4	73.2	20	75.2
5	70.6	21	72.3
6	70.2	22	79.0
7	69.5	23	72.1
8	72.1	24	80.4
9	77.8	25	76.7
10	70.5	26	79.2
11	79.5	27	64.4
12	76.4	28	83.2
13	72.5	29	68.5
14	78.6	30	74.2
15	72.5	31	75.2
16	76.2	32	74.6

Average Failure Pressure : 74.4cm H_2O

Back :Lot HXG10-02

Test Article Number	Failure Pressure (cm H_2O)	Test Article Number	Failure Pressure (cm H_2O)
1	80.6	17	80.7
2	86.7	18	79.5
3	81.5	19	85.5
4	77.0	20	82.0
5	77.1	21	81.4
6	83.9	22	76.5
7	70.9	23	81.5
8	67.2	24	74.6
9	76.9	25	76.8
10	68.7	26	70.6
11	79.2	27	88.5
12	77.8	28	82.6
13	79.6	29	91.2
14	80.7	30	83.4
15	86.4	31	83.2
16	76.9	32	80.5

Average Failure Pressure : 79.7cm H_2O

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Sleeve Seams :Lot HXG10-02

Test Article Number	Failure Pressure (cm H_2O)	Test Article Number	Failure Pressure (cm H_2O)
1	62.5	17	70.4
2	65.3	18	70.3
3	62.4	19	65.6
4	62.5	20	67.2
5	78.1	21	62.4
6	69.4	22	67.7
7	68.0	23	59.6
8	62.9	24	58.7
9	74.3	25	64.1
10	72.1	26	62.9
11	68.3	27	63.2
12	64.2	28	59.7
13	61.8	29	58.6
14	65.4	30	64.1
15	62.7	31	62.7
16	56.4	32	65.6

Average Failure Pressure : 65.0cm H_2O

Side Seams:Lot HXG10-02

Test Article Number	Failure Pressure (cm H_2O)	Test Article Number	Failure Pressure (cm H_2O)
1	54.2	17	55.2
2	56.5	18	78.0
3	51.4	19	62.5
4	62.0	20	59.4
5	58.7	21	62.7
6	54.5	22	65.3
7	53.4	23	53.4
8	59.7	24	62.1
9	57.7	25	54.2
10	61.5	26	64.2
11	59.5	27	62.5
12	62.8	28	53.1
13	68.0	29	70.9
14	68.2	30	63.0
15	70.3	31	56.4
16	54.0	32	55.2

Average Failure Pressure : 60.3cm H_2O

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Belt Seams:Lot HXG10-02

Test Article Number	Failure Pressure (cm H_2O)	Test Article Number	Failure Pressure (cm H_2O)
1	52.8	17	58.4
2	53.4	18	52.9
3	51.5	19	50.5
4	52.3	20	55.7
5	54.5	21	58.5
6	51.7	22	55.4
7	52.5	23	55.4
8	55.7	24	57.3
9	54.6	25	56.1
10	50.5	26	53.2
11	53.4	27	58.1
12	52.5	28	54.1
13	49.7	29	52.5
14	52.5	30	53.5
15	48.9	31	52.4
16	50.5	32	53.0

Average Failure Pressure : 53.6cm H_2O

Note: All above physical property data represent typical test result of the received samples.

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Water Resistance：Impact Penetration Final Report

Test Article: Surgical Isolation Gown
Sponsor：Jingzhou Haixin Green Cross Medical Products Co.,Ltd
Study Number: Lot.HXG10-02
Study Received Date: Oct.30.2017
Test Procedure(s):Standard Test Protocol (STP) Number:113 Rev 04
Summary: This test method was performed to evaluate the resistance of a material to the penetration of water by impact using the type Ⅰ Tester apparatus. The impact penetration test method complies with AATCC Test Method 42 and is in accordance with ANSI/AAMI PB70.Sampling was at the discretion of the sponsor. All test method acceptance criteria were met. Testing was performed in compliance with US FDA good manufacturing particle(GMP) regulations 21 CFR Parts 210,211 and 820.

Test Article Preparation:Cut Front(Chest) of Gown, Back of Gown, Sleeve Seams,Side Seams, and Belt Seams (attachment point) at Random.
Test Article Size:210 x 297mm (A4.)
Test Article Side Tested:Outside
Blotter Paper:Grade 989
Blotter Paper Size:150 x 225mm
Average Flow Rate: 20 sec

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Results:

Front : Lot HXG10-02

Test Article Number	Amount of Penetration(g)	Test Article Number	Amount of Penetration(g)
1	0.05	17	0.03
2	0.04	18	0.07
3	0.05	19	0.02
4	0.06	20	0.05
5	0.05	21	0.04
6	0.04	22	0.05
7	0.05	23	0.06
8	0.06	24	0.03
9	0.05	25	0.06
10	0.04	26	0.07
11	0.05	27	0.05
12	0.06	28	0.04
13	0.05	29	0.05
14	0.04	30	0.04
15	0.05	31	0.05
16	0.06	32	0.03

Average Amount of Penetration: 0.05g

Back::Lot HXG10-02

Test Article Number	Amount of Penetration(g)	Test Article Number	Amount of Penetration(g)
1	0.04	17	0.07
2	0.05	18	0.03
3	0.06	19	0.04
4	0.07	20	0.05
5	0.05	21	0.06
6	0.04	22	0.05
7	0.05	23	0.07
8	0.06	24	0.05
9	0.04	25	0.04
10	0.03	26	0.05
11	0.04	27	0.06
12	0.05	28	0.03
13	0.06	29	0.03
14	0.03	30	0.03
15	0.04	31	0.04
16	0.05	32	0.05

Average Amount of Penetration: 0.05g

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Sleeve Seams:Lot HXG10-02

Test Article Number	Amount of Penetration(g)	Test Article Number	Amount of Penetration(g)
1	0.05	17	0.07
2	0.04	18	0.04
3	0.05	19	0.05
4	0.06	20	0.04
5	0.05	21	0.05
6	0.07	22	0.06
7	0.03	23	0.05
8	0.05	24	0.07
9	0.04	25	0.03
10	0.03	26	0.05
11	0.05	27	0.06
12	0.04	28	0.05
13	0.07	29	0.07
14	0.05	30	0.03
15	0.06	31	0.03
16	0.05	32	0.05

Average Amount of Penetration: 0.05g

Side Seams: Lot HXG10-02

Test Article Number	Amount of Penetration(g)	Test Article Number	Amount of Penetration(g)
1	0.05	17	0.05
2	0.04	18	0.07
3	0.06	19	0.05
4	0.05	20	0.06
5	0.04	21	0.07
6	0.05	22	0.05
7	0.06	23	0.03
8	0.05	24	0.04
9	0.06	25	0.03
10	0.05	26	0.03
11	0.06	27	0.04
12	0.07	28	0.04
13	0.05	29	0.05
14	0.04	30	0.04
15	0.05	31	0.06
16	0.06	32	0.05

Average Amount of Penetration: 0.05g

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Belt Seams: Lot HXG10-02

Test Article Number	Amount of Penetration(g)	Test Article Number	Amount of Penetration(g)
1	0.03	17	0.03
2	0.04	18	0.02
3	0.03	19	0.03
4	0.03	20	0.03
5	0.03	21	0.03
6	0.04	22	0.03
7	0.04	23	0.04
8	0.07	24	0.04
9	0.03	25	0.04
10	0.02	26	0.04
11	0.02	27	0.04
12	0.02	28	0.04
13	0.03	29	0.04
14	0.04	30	0.04
15	0.04	31	0.05
16	0.03	32	0.05

Average Amount of Penetration: 0.03g

Note: All above physical property data represent typical test result of the received samples.

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