

TEST REPORT



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国际互认
检测
TESTING
CNAS L0220

Number: GZHT02293259-S1

Report Ref:	GZHT02293259-S1	THIS IS TO SUPERSEDE REPORT NO. GZHT02293259 DATED Jun 05, 2020
Date Received:	May 20, 2020	Date Issued: Jul 08, 2020

Company Name:	HEFEI C&P NONWOVEN PRODUCTS CO.,LTD
Address:	NA.22PARK ROAD FEIDONG NEW CITY DEVELOPMENT AREA,HEFEI,ANHUI,CHINA
Contact Name:	JOYCE WANG 王兴

Sample Description:	
The Following Sample Was Submitted And Identified By/On Behalf Of The Applicant As:	
Sample Name	: SMS Reinforced Surgical Gown In Blue
Size(s) Range	: 120cmX155cm±2cm
Styles/Models No.	: -
Classifications Claimed	: High Performance
End Uses	: Sterile Surgical Gowns
Standard	: EN 13795-1:2019
Band Name	: C&P
Manufacturer	: HEFEI C&P NONWOVEN PRODUCTS CO.,LTD
Type No.	: L
Date received/ Test Started	: May 20, 2020
Date Final Information Confirmed	: -

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

Approved by:

[Signature]

Sr. Manager

[Signature]

Assistant Supervisor



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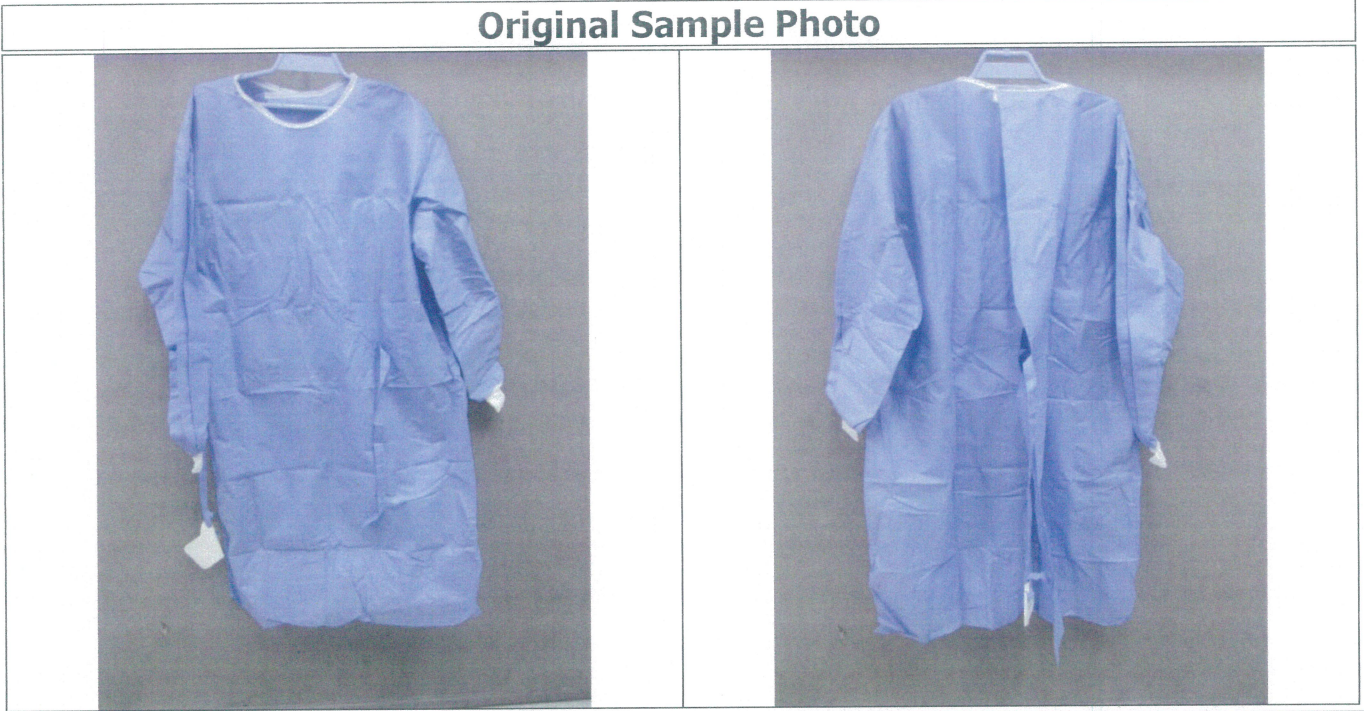
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Original Sample Photo



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Conclusion:

Tensile Strength As Received	M
Hydrostatic Head Test As Received (Fabric)	M
Cleanliness Microbial / Bioburden	M
Lint And Other Particles Generation In The Dry State (Material)	M
The Resistance To Dry Microbial Penetration (CFU) (Material)	M
The Resistance To Wet Bacterial Penetration (Material)	M
Bursting Strength (kPa) (Material)	M

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

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

Approved by:

Sr. Manager

Assistant Supervisor



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Tests Conducted (As Requested By The Applicant)

1 Tensile Strength As Received (EN 29073-3:1992, 5-cm Cut Strip Test, Tensile Testing Machine, CRE):

			<u>Requirement</u>
I. Fabric	Dry	Wet	
<u>Length Direction</u>			
Specimen 1	40.4 N	42.4 N	
Specimen 2	40.9 N	42.5 N	
Specimen 3	41.9 N	42.7 N	
Specimen 4	42.4 N	44.7 N	
Specimen 5	43.0 N	45.0 N	
Median (M _d)	41.9 N	42.7 N	
Lower Quartile Value (L _q)	40.9 N	42.5 N	≥20 N
<u>Width Direction</u>			
Specimen 1	90.0 N	72.9 N	
Specimen 2	90.3 N	94.5 N	
Specimen 3	91.3 N	97.3 N	
Specimen 4	92.2 N	100.0 N	
Specimen 5	93.0 N	102.1 N	
Median (M _d)	91.3 N	97.3 N	
Lower Quartile Value (L _q)	90.3 N	94.5 N	≥20 N
II. Seam	Dry	Wet	
<u>Length Direction</u>			
Specimen 1	62.3 N	66.2 N	
Specimen 2	79.4 N	86.8 N	
Specimen 3	87.7 N	90.8 N	
Specimen 4	88.3 N	94.8 N	
Specimen 5	94.3 N	98.8 N	
Median (M _d)	87.3 N	90.8 N	
Lower Quartile Value (L _q)	79.4 N	86.8 N	≥20 N

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Tests Conducted (As Requested By The Applicant)

Width Direction

Specimen 1	23.2 N	20.0 N	
Specimen 2	29.4 N	28.2 N	
Specimen 3	32.4 N	28.5 N	
Specimen 4	35.2 N	35.2 N	
Specimen 5	50.4 N	41.7 N	
Median (M_d)	32.4 N	28.5 N	
Lower Quartile Value (L_q)	29.4 N	28.2 N	≥ 20 N

Remark : N = Newton

This item is not under the testing scope of CNAS accreditation.

2 Hydrostatic Head Test As Received (EN ISO 811:2018, Pressure Gradient At 10 cm/min Water Pressure):

	Front Panel Fabric	Requirement
Specimen 1	118.5 cm H ₂ O	≥ 100 cm H ₂ O
Specimen 2	112.0 cm H ₂ O	(Surgical Gown: High
Specimen 3	119.5 cm H ₂ O	Performance Critical
Specimen 4	115.0 cm H ₂ O	Product Area)
Specimen 5	117.5 cm H ₂ O	(EN 13795-1:2019)
Median (M_d)	117.5 cm H ₂ O	
Lower Quartile Value (L_q)	115.0 cm H ₂ O	

	Back Panel Fabric	Requirement
Specimen 1	62.5 cm H ₂ O	≥ 10 cm H ₂ O
Specimen 2	62.5 cm H ₂ O	(Surgical Gown: High
Specimen 3	57.5 cm H ₂ O	Performance Less
Specimen 4	56.0 cm H ₂ O	Critical Product Area)
Specimen 5	65.0 cm H ₂ O	(EN 13795-1:2019)
Median (M_d)	62.5 cm H ₂ O	
Lower Quartile Value (L_q)	57.5 cm H ₂ O	

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Tests Conducted (As Requested By The Applicant)

	<u>Sleeve Fabric</u>	<u>Requirement</u>
Specimen 1	121.5 cm H ₂ O	≥100 cm H ₂ O
Specimen 2	113.0 cm H ₂ O	(Surgical Gown: High
Specimen 3	118.5 cm H ₂ O	Performance Critical
Specimen 4	112.0 cm H ₂ O	Product Area)
Specimen 5	125.5 cm H ₂ O	(EN 13795-1:2019)
Median (M _d)	118.5 cm H ₂ O	
Lower Quartile Value (L _q)	113.0 cm H ₂ O	

Remark: This item is not under the testing scope of CNAS accreditation.

- 3 Cleanliness Microbial / Bioburden
As Per BS EN 13795-1:2019 Surgical Clothing And Drapes – Requirements And Test Methods Part 1: Surgical Drapes And Gowns And EN ISO 11737-1:2018 Sterilization Of Health Care Products – Microbiological Methods – Part 1: Determination Of A Population Of Microorganisms On Products.

<u>Test Item</u>	<u>Result (CFU/100cm²)</u>					<u>Limit</u> (CFU/100cm ²)
	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	
Cleanliness microbial / Bioburden	<1#	<1#	<1#	<1#	<1#	≤300

CFU = Colony Forming Unit

≤ = Not more than

= No Colony Was Detected At The Extraction Liquid Of The Samples.

Sample Received Condition: Sample In Unopened Original Package.

Remark: This test item was conducted in Caipin Road, Guangzhou Science City, GETDD, Guangzhou, Guangdong.

Tested Component:

(1) Sterile Surgical gowns in Blue

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Tests Conducted (As Requested By The Applicant)

- 4 Lint And Other Particles Generation In The Dry State:
(EN ISO 9073-10:2004, Size Of Particles Counted: 0.3μm~25μm)
(EN ISO 9073-10:2004 Idt ISO 9073-10:2003)

Coefficient Of Linting:

Material

Requirement

A: Face

Coefficient Of Linting
≤4.0
(Surgical Gown:
High Performance
Critical Product Area)
(EN 13795-1:2019)

1#	3.2
2#	3.2
3#	3.2
4#	3.3
5#	3.2

B: Face

1#	3.3
2#	3.3
3#	3.2
4#	3.3
5#	3.3

Remark: Test item is subcontracted and accredited by the organization complied with ISO/IEC 17025 in CNAS L10314.

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Tests Conducted (As Requested By The Applicant)

- 5 The Resistance To Dry Microbial Penetration (CFU):
(EN ISO 22612:2005, The Fourth Generation Of Spores Of Bacillus Subtilis ATCC 9372, The Concentration Of The Spores: 1.9×10^8 CFU/g Talcum Powder, Sample: 12, Vibration Frequency: 20800 Times/Min, Vibration Time: 30 Min)

	Material	Requirement
1#	12	≤300
2#	4	(Surgical Gown:
3#	8	High Performance
4#	3	Less Critical
5#	6	Product Area)
6#	2	(EN 13795-1:2019)
7#	5	
8#	7	
9#	13	
10#	11	

Remark: Test item is subcontracted and accredited by the organization complied with ISO/IEC 17025 in CNAS L10314.

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天祥质量技术服务有限公司
Tian Xiang Quality Technology Service Co., Ltd.

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Tests Conducted (As Requested By The Applicant)

- 6 The Resistance To Wet Bacterial Penetration:
(EN ISO 22610:2006, Temp: 24.5°C, RH: 56.0 %, The Distance Of Agar To Plates Brim: 3 mm,
Carrier Material: 30 µm Polyurethane (PU))
Test bacteria: The fifth generation of staphylococcus aureus ATCC 29213
Concentration of bacterium: 2.7×10^4 CFU/ml

The Barrier Index:

	<u>Material</u>	<u>Requirement</u>
1#	6.0	The Barrier Index ≥ 6.0 (Surgical Gown: High Performance Critical Product Area) (EN 13795-1:2019)
2#	6.0	
3#	6.0	
4#	6.0	
5#	6.0	

Remark : Test item is subcontracted and accredited by the organization complied with ISO/IEC 17025 in CNAS L10314.

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Tests Conducted (As Requested By The Applicant)

7 Bursting Strength(kPa):

	<u>Material</u>	<u>Requirement</u>
Dry State		
(EN ISO 13938-1:1999, Dry state, Test Area: 10 cm ²)		
1#	231	≥40
2#	225	(Surgical Gown:
3#	241	High Performance
4#	232	Critical Product Area)
5#	229	(EN 13795-1:2019)
Wet State		
(EN ISO 13938-1:1999, Wet state, Test Area: 10 cm ²)		
1#	214	≥40
2#	231	(Surgical Gown:
3#	217	High Performance
4#	225	Critical Product Area)
5#	219	(EN 13795-1:2019)

Remark: Test item is subcontracted and accredited by the organization complied with ISO/IEC 17025 in CNAS L10314.

End of Report

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To : HEFEI C&P NONWOVEN PRODUCTS CO.,LTD
Attention : JOYCE WANG 王兴 Date : Jul 08, 2020

Re : Report Revision Notification

Labtest Report Number GZHT02293259 date JUN 05, 2020

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Labtest Report, Number GZHT02293259-S1, issued on Jul 08, 2020.

Thank you for your attention

Approved by:



Sr. Manager



Assistant Supervisor



Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

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