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our SSMMS products can reach the following standards of the surgical gown
我们的SSMMS产品能达到的以下手术衣标准

	Standard Test Items 标准测试项目	AAMI PB70 美标	EU 13795 欧标	YY/T 0506 国标
Protection Performance 防护性能	Hydrostatic Pressure Test 静水压测试	√	√	√
	Liquid Permeability 液体渗透性	√	√	√
	Blood Permeability 血液渗透性	√#	O	O
	Microbial Permeability 微生物渗透性	√#	√	√
Material Strength 材料强度	Tensile Strength 拉力强度	O	√	√
	Blasting Strength 爆破强度	O	√	√
The Comfort Level 舒适度	Breathability 透气性	O	O	O
	Moisture Permeability 透湿性	O		O
Microbial Transmission Performance 微生物传递性能	Deflocculation 脱絮	O	√	√
	Particle Cleanliness 颗粒洁净度	O	√	√
	Microbial Cleanliness 微生物洁净度	O	√	√

√: Test items included in the standard;
√: 标准中包含该测试项目;
#: Only applicable to Level 4 protection products;
#: 仅适用于四级防护产品;
O: Test items are not included in the standard
O: 标准中不包含改测试项目

美国医疗仪器促进协会（AAMI）对于医用纺织产品如：手术衣、洞巾、隔离衣等液态阻隔性能等级分为四级

American Association for the Advancement of Medical Devices (AAMI) divides the liquid barrier performance into four levels for the medical textile products, such as surgical gown,drape and isolation clothing, etc.

第四级（Level 4)

必须通过血液与病毒渗透两项试验，抗静水压试验必须大于140cmH_2O;

Must pass the test of Blood and virus penetration, hydrostatic pressure test must be more than 140cmH_2O;

测试标准 Test	测试结果 Results	测试要求 AQL Requirements
ASTM F1671: 2003*	PASS	4%
ASTM F1670: 2003*	PASS	4%

高防护

第三级（Level 3)

疏水性渗透量必须小于1.0g，抗静水压试验必须大于50cmH_2O;

The hydrophobic permeability must be less than 1.0g, hydrostatic pressure test must be more than 50 cmH_2O

测试标准 Test	测试结果 Results	测试要求 AQL Requirements
AATCC 42:2000	<1.0g	4%
AATCC 127:1998	>50cm	4%

加强防护

第二级（Level 2)

疏水性渗透量必须小于1.0g，抗静水压试验必须大于20cmH_2O;

The hydrophobic permeability must be less than 1.0g, hydrostatic pressure test must be more than 20cmH_2O

测试标准 Test	测试结果 Results	测试要求 AQL Requirements
AATCC 42:2000	<1.0g	4%
AATCC 127:1998	>20cm	4%

标准防护

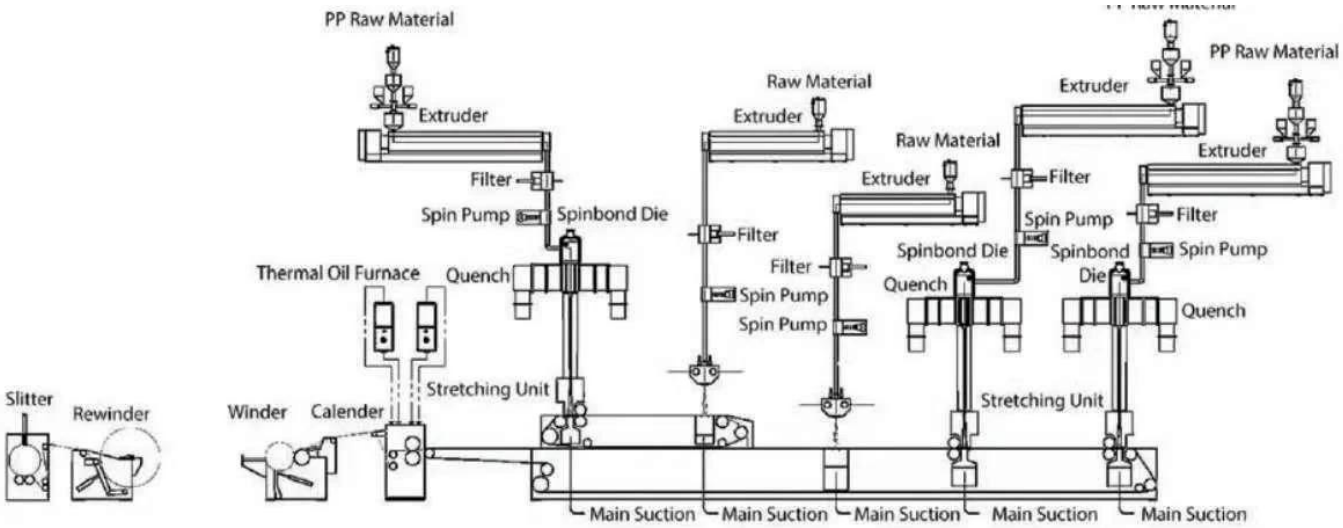
第一级（Level 1)

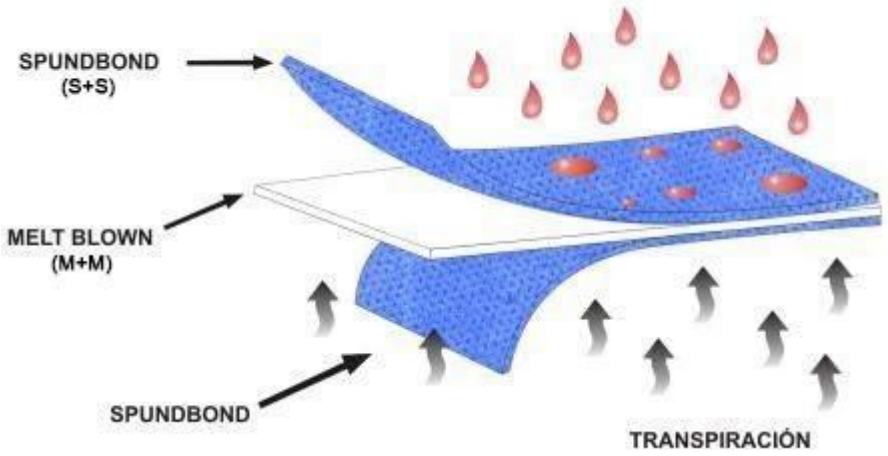
医用纺织品必须经过疏水性（抗冲击渗透）试验，渗透量必须小于4.5g

Medical textiles must pass the hydrophobicity (impact penetration resistance) test, and the penetration amount must be less than 4.5g

测试标准 Test	测试结果 Results	测试要求 AQL Requirements
AATCC 42:2000	<4.5g	4%

标准防护





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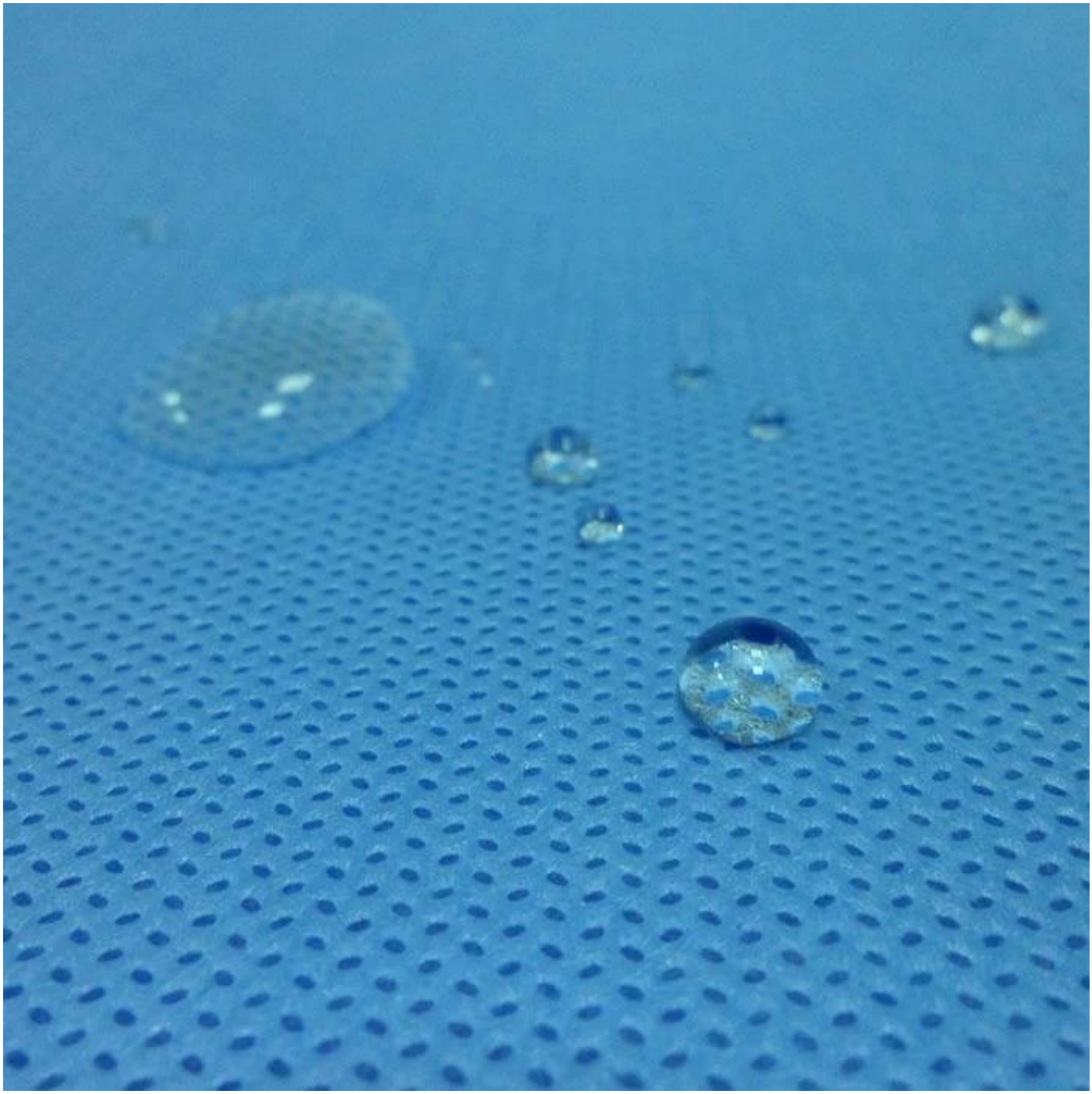

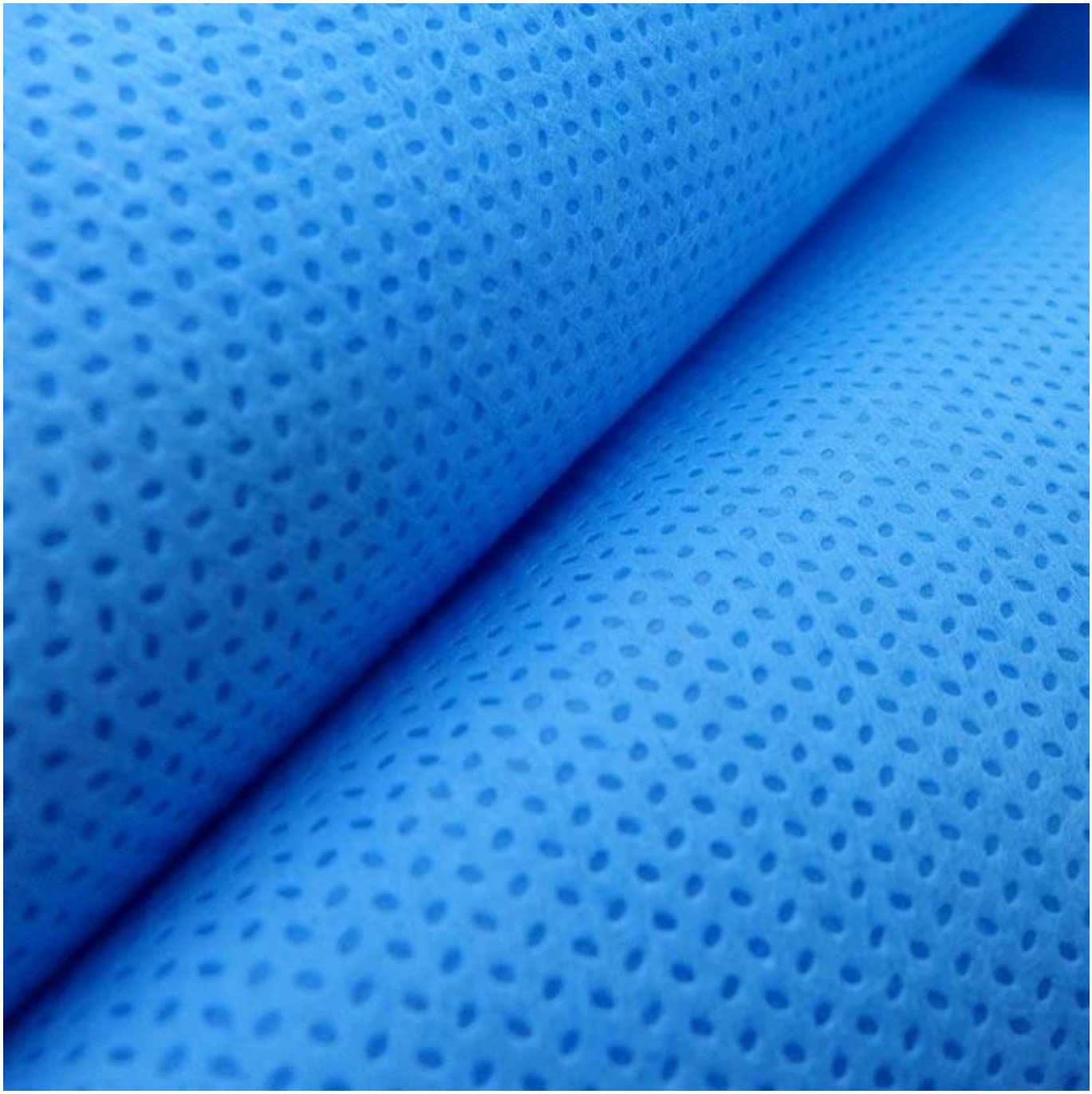

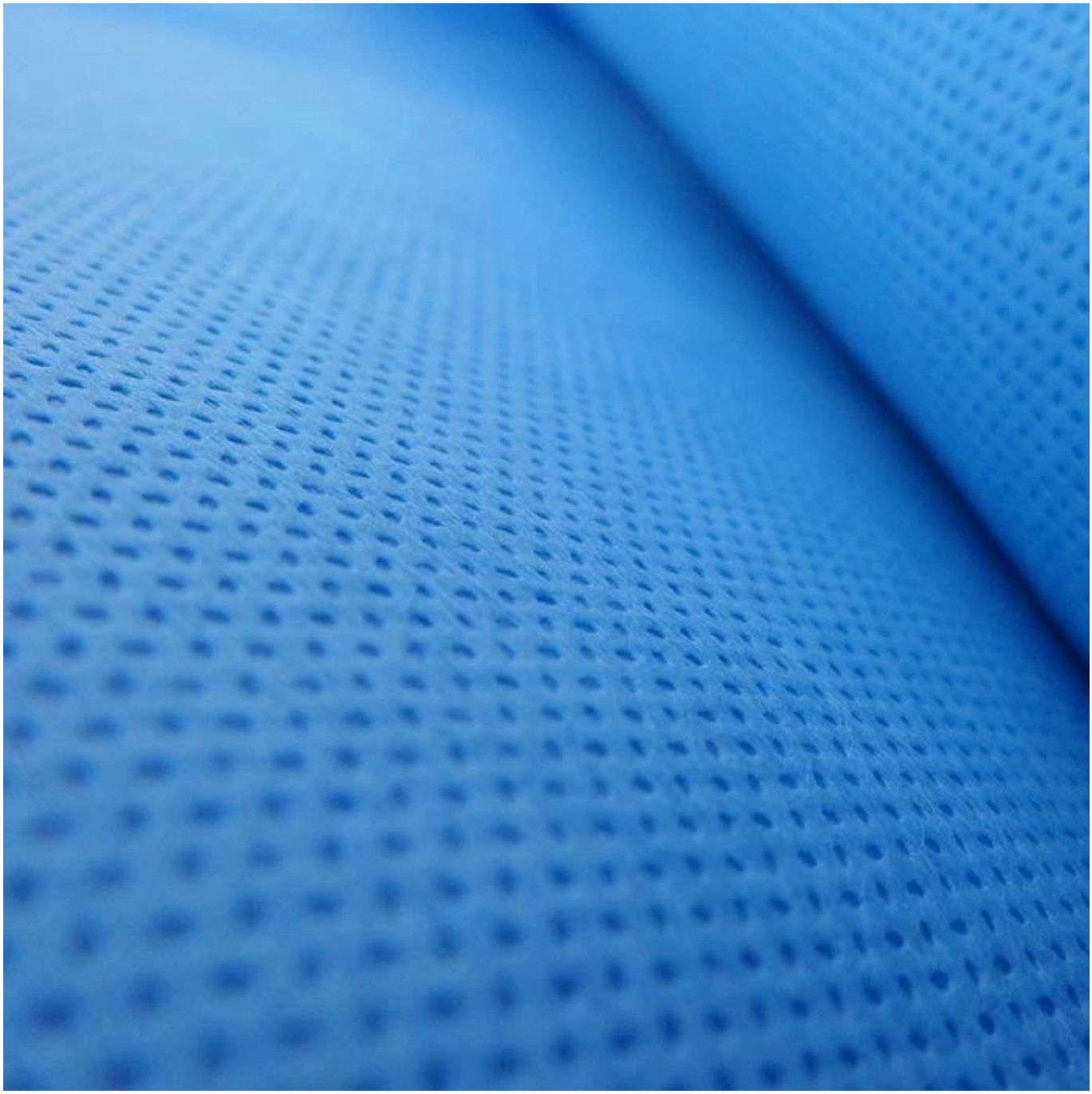

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Disposable Underwear
Nonwoven Shoes Cover
Protective Clothing
Nonwoven Pillow bag
Nonwoven Bed Sheet
Face Mask
Medical Wrapping
Disposable Bouffant Cap
Nonwoven Sleeve

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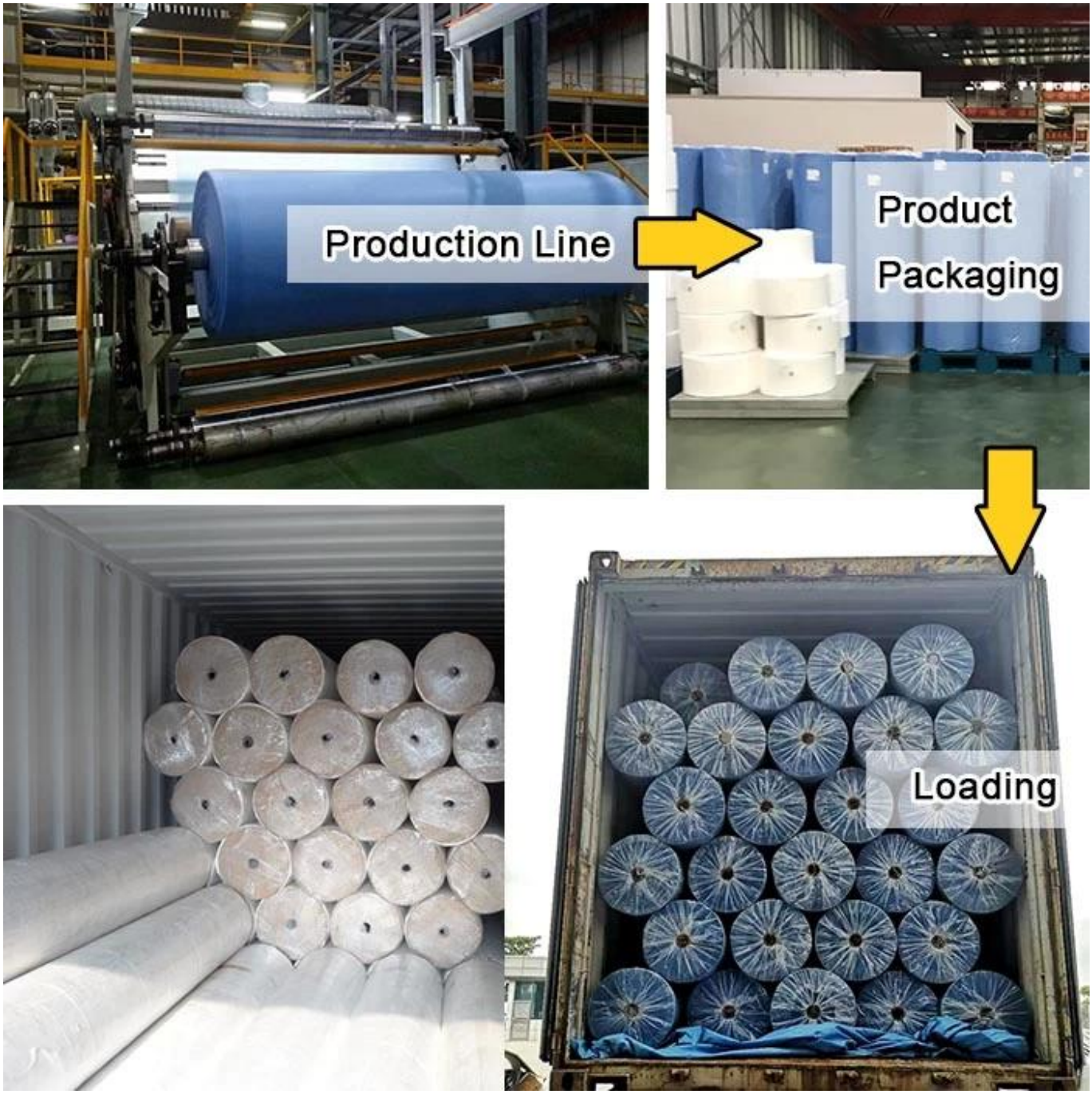

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检 测 报 告(Testing Report)	防伪查询网址(Security website)：www.fcl-sz.org.cn 防伪码(Security code)：0561010345
报告编号(Report No)：ZFLJ2626978	Page 1 of 4

Applicant Information (客户信息)

Applicant Name(委托单位) : FOSHAN GUIDE TEXTILE CO., LTD(佛山凯缎纺织品有限公司)
Applicant Address(委托单位地址) : No.8, Hezhong RD, Yanbu, Dali Town, Nanhai Dist., Foshan, G.D.528247 CHINA（佛山市南海区大沥镇盐步河中路 8 号）

Sample Information (样品信息)

Sample Description(样品描述) : SMS non-woven fabric 45g（SMS 无纺布 45 克）
Style No.(款号) : KHSSMMS-45G
Sample Quantity(样品数量) : 8 m（8 米）
Color and Description(颜色及描述) : Medical blue：45g（医用蓝色：45 克）
Size specification(号型规格) : KHSSMMS-45G

- Sample Receiving date (收到样品的日期) : 2020-06-02
- Report date (报告日期) : 2020-06-05
- The original sample is sticked on the last paper. (送检样品原样粘贴在本报告的末页)

Test Performed (检验标准)

Judgement according to(评定依据):

GB 19082-2009 Technical requirements for single-use protective clothing for medical use .
医用一次性防护服技术要求 .

GB/T 38462-2020 Textiles-Nonwoven fabrics for isolation gowns Level Ⅱ
纺织品 隔离衣用非织造布 Ⅱ 级

- Selected test(s) as requested by applicants. (本实验室根据客户要求完成以下检测内容)

Pronounce (声明)

The results shown in this report refer only to sample(s) tested unless otherwise stated.All the items are performed in the standard conditions, except the noted cases.(除非特别说明，测试结果只对来样负责。所有测试项目均在标准规定的环境下进行，有注明除外。)

Except for the requirement of the client, the test results and the conformity judgement of this report do not take the uncertainty of the test results into account.(除非客户要求，本报告检测结果及符合性判定不考虑测量结果的不确定度。)

Signed for and on behalf of
CNTAC Testing Service Co.,Ltd.(Foshan)
Approved by
（批准）

张志荣

-- Test Result (测试结果) --

	Test Result(测试结果)	Requirements(评定条件)	Judgement(判定)
√ GB 19082-2009			
1. Tensile Strength(断裂强力) *GB/T 3923.1-1997 Strip test(条样法)*			
5cm strip test, CRE tensile test machine, testing speed 100mm/min, gauge length 100mm.(5 厘米条样法，CRE 拉伸测试仪，测试速度 100mm/min，初始隔距 100mm)			
Unit(单位): <N>			
Lengthwise(纵向)	104	≥ 45	Pass(合格)
Crosswise(横向)	51		
2. Breaking Elongation(断裂伸长率) *GB/T 3923.1-1997 Strip test(条样法)*			
5cm strip test, CRE tensile test machine, testing speed 100mm/min, gauge length 100mm.(5 厘米条样法，CRE 拉伸测试仪，测试速度 100mm/min，初始隔距 100mm)			
Unit(单位): <%>			
Lengthwise(纵向)	94	≥ 15	Pass(合格)
Crosswise(横向)	78		
3. Filtration Efficiency(过滤效率) *GB 19082-2009 Section 5.7(条款 5.7)*			
Air flow：15L/min，Aerosol：NaCl(气体流量：15L/min，气溶胶颗粒：NaCl)			
Unit(单位): <%>			
Minimum value(最小值)	72.6	≥ 70	Pass(合格)
4. Hydrostatic Pressure(抗渗水性) *GB/T 4744-1997*			
Distilled water temperature is 20℃. The rate of increase of water pressure is 6.0kPa/min.			
Testing surface: face(测试水温度 20℃，水压上升速率 6.0kPa/min，测试面：正面)			
Unit(单位): <kPa>			
Mean value(平均值)	6.93	≥ 1.67	Pass(合格)
5. Resistance to Penetration by Synthetic Blood(抗合成血液穿透性) *GB 19082-2009 Appendix A(附录 A)*			
Synthetic blood surface tension：0.040N/m(合成血液表面张力：0.040N/m)			
Unit(单位): <grade(级)>			
The sample cannot be pressurized due to air leakage, so it is not suitable for testing （样品漏气无法加压，不适合测试）			

	Test Result(测试结果)	Requirements(评定条件)	Judgement(判定)

6. Water Vapor Permeability(透湿量) *GB/T 12704-1991 Method A(方法 A)*

Desiccant method at 38℃, Relative humidity at 90%,wind speed at 0.3m/s, Testing surface: back.(吸湿法，测试仓温度：38℃，湿度：90%，风速：0.3m/s,测试面：反面)

Unit(单位): <g/(m²·d)>

Result(测试结果)	$7.09x10^3$	≥ 2500	Pass(合格)

√ GB/T 38462-2020

1. Hydrostatic Pressure(静水压) *GB/T 24218.16-2017*

Distilled water temperature is 21℃. The rate of increase of water pressure is 1.0kPa/min.
Testing surface: face（测试水温度 21℃，水压上升速率 1.0kPa/min，测试面：正面）

Unit(单位): <kPa>

Minimum value (最小值)	6.5	≥ 1.8	Pass(合格)

Remark（备注）: The hydrostatic pressure item is unauthorized for CNAS.
（CNAS 未授权静水压项目。）

佛山中纺联检验技术服务有限公司
CNTAC Testing Service Co.,Ltd.(Foshan)

检 测 报 告(Testing Report)	防伪查询网址(Security website)：www.fcl-sz.org.cn 防伪码(Security code)：0561010345
报告编号(Report No)：ZFLJ2626978	Page 4 of 4

Original (送检样品原样)

======= End of Report (检测报告结束) ======

广东省佛山市南海区西樵镇南方技术创新中心一、三、四楼 1, 3&4/F., Nanfang Technology Innovation Center, Xiqiao, Nanhai District, Foshan, Guangdong, China
Tel: (86 757)86850633/86806656 Fax: 86850633 Http://www.fcl.org.cn
若对检测报告有异议，应于收到报告之日起 15 日内向检测单位提出，逾期不予受理。

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