



Test Report

Report No: 国医检（械）字 QW2020 第 3391-2 号

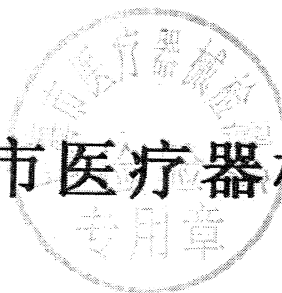
Client: Shanghai Zanray Industrial Co., Ltd

Sample: Medical Protective Suit

Model: ZANRAY 2020

Category: Entrusted Inspection

上海市医疗器械检测所



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Sample	Medical Protective Suit		Sample No.	QW2020-3391
	Submission (√)	Sampling (/)		
Trademark	/		Model/ Size	ZANRAY2020 165
Client	Shanghai Zanray Industrial Co., Ltd		Category	Entrusted inspection
Address	F4, No. 2 & 4 building, Jianyun road, Pudong New District, Shanghai, China		Item No. / Lot No.	/
Produced by	Shanghai Zanray Industrial Co., Ltd		Sampling No.	/
Entrusted by	Shanghai Zanray Industrial Co., Ltd		Production Date	Feb, 2020
Sampled by	/		Quantity	15 pcs
Sampling Add	/		Sampling Base	/
Sampling Date	/		Test Site	Shanghai
Date Received	13 Feb, 2020		Test Period	14 to 17 Feb, 2020
Test Items	2.1 ~ 2.7			
Test Standard	Technical Requirements for Single-Use Protective Clothing for Medical Use			
Conclusion	<p>Tested samples meet the requirements of Technical Requirements for Single-Use Protective Clothing for Medical Use.</p> <p style="text-align: right;">(检验报告专用章或检验单位公章)</p> <p style="text-align: right;">签发日期 2020 年 2 月 17 日</p>			
Remarks	<p>1) "—" refers to "not applicable" "/" refers to blank.</p> <p style="text-align: right;">"/" 表示此项空白</p>			

Approved by Checked by Inspected by

Duty

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Sample Description

/

Model, Size or Other Description

1. Uncertain estimates are not included in the test results.
2. Clause 2.7 of this test is tested by the National Cotton Printing and Dyeing Product Auality Supervision and Inspection Center, report No. 20WJ002712.

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No.	Items	Clause	Standard Requirements	Result	Conclusion	Remarks
1	Appearance	2.1	2.1.1 The protective suit should be dry, clean and free of mildew, and the surface shall be free of adhesion, crack and hole defects.	Pass	Pass	
			2.1.2 The connection parts of the protective suit shall be sewed by needle, and the stitches at the sewing part shall be even and straight, without skipped stitch.	Pass		
			The stitch length is 8 to 14 stitches/ 3cm. unit: stitch	11~12		
			The seam shall be sealed with tape, and the tape part shall be flat and free of bubbles, both sides of the tape shall be evenly distributed.	Pass		
			2.1.3 The zipper of the closure system shall not be exposed, and the puller shall be locked automatically.	Pass		
2	Structure	2.2	2.2.1 The protective suit is a one-piece structure, which is composed of hooded jacket and trousers, showing in Figure 1.	Pass	Pass	/
			2.2.2 The structure of protective suit is reasonable, easy to wear and take off, and the seam is tight.	Pass		
			2.2.3 Elastic ribbon is used for cuff, leg opening, waist and face of the hat.	Pass		
3	Dimension	2.3	The dimension of the protective suit shall conform to the requirements of Table 1.		Pass	
			Size: 165 Length: 169cm ± 2cm	-0.5~ +0.5		
			Chest: 125cm ± 2cm	+1.0~ +1.5		
			Sleeve: 86cm ± 2cm	+1.0~ +1.5		
			Cuff: 18cm ± 2cm	+1.2~ +1.5		
			Leg opening: 24cm ± 2cm unit: cm	-1.5~ -1.2		

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No.	Items	Clause	Standard Requirements	Result	Conclusion	Remarks		
4	Liquid Barrier Function	2.4	2.4.1 Hydrostatic pressve The hydrostatic pressve of key parts of protective suit shall not be less than 1.67kpa (17cm H ₂ O). unit: cm H ₂ O		Pass			
			Left front	> 20				
			Right front	> 20				
			Left arm	> 20				
			Right arm	> 20				
			Back	> 20				
		2.4.2 Water-vapour resistance The water-vapour resistance of the material of the protective suit shall not be less than 2500g/(m ² .d). unit: g/(m ² .d)	3342					
		2.4.3 Resistance to penetration by synthetic blood The resistance to penetration by synthetic blood of the protective suit shall not be lower than the requirements of class 2 in table 2.	>Class 3					
		2.4.4 Spray rate The spray rate on the outshell of the protective suit shall not be lower than the requirements of class 3.	Class 4					
5	Tensile Strength	2.5	The tensile strength of the key parts of the protective suit shall not be less than 45N. unit: N	Weft	174	Pass	/	
				Warp	600			
6	Filtering Efficiency	2.6	The filtering efficiency to non-oily particles on the key parts and seams of the protective suit shall not be lower than 70%.			Pass		
				Material of key parts of the protective suit	Left front			100%
					Right front			100%
					Left arm			100%
					Right arm			100%
					Back			100%~ 100%
				Seams of the protective suit	Neck to shoulder			100%
					Chest			100%
					Arm			100%
					Back			100%
Front zipper	95%~ 99%							
7	Antistatic Property	2.7	The charged capacity of antistatic suit shall not be more than 0.6μC/ pc. unit: μC/ pc	0.1	Pass			

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Photos and Description

