









(2020) WSZ FHL NO.3118

Product Name	PROTECTIVE RESPIRATOR
Client _	Zhejiang Xinna Medical Devices Technology Co., Ltd
Manufacturer _	Zhejiang Xinna Medical Devices Technology Co., Ltd
Test Type	Entrusted inspection



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Product name	PROTECTIVE RESPIRATOR	Specification	D1				
r roduct name	TROTECTIVE RESPIRATOR	Brand	-0(1)				
Client/Add/Tel	ZHEJIANG XINNA MEDICAL I Zone, Yucheng Street, YuHuan	DEVICES TECHNOLOGY CO., LTD/Huangnikan Industrial City, China/—					
Manufacturer/ Add/Tel	ZHEJIANG XINNA MEDICAL DEVICES TECHNOLOGY CO., LTD/Huangnikan Industrial Zone, Yucheng Street, YuHuan City, China/—						
Sample grade	FFP2	Sample number	GWW0020-2020				
Sample quantity	110 pcs	Receiving date of sample	23/03/2020				
Test type	Entrusted inspection	Article number/Batch number/Style number					
Test date	01/04/2020~14/04/2020	Testing sites	Testing room				
State	Meeting the the requirements of tes	ting					
Test standard(s)	BS EN 149:2001+A1:2009 Respira particles- Requirements,testing, ma		ering half masks to protect agains				
Test items	Visual inspection, practical performance, finish of parts, compatibility with skin, flammability, carbon dioxide content of the inhalation air, material, head harness, field of vision, penetration of filter material, breathing resistance, total inward leakage						
Test conclusion	The sample upon testing, 149:2001+A1:2009 standard. The d	etail of test results see on Pa	requirements for the BS EN ages 2-5.				
Note	For the entrusted sample test, the terundertaken for the test results of the						
Approver-	Reviewer		Chief Tester. 13 54				

Approver:

Pa.

Reviewer

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Chief Tester:

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S.No.	Test	item	Unit	Technical requirements	爲	Test result	Single iter decision	
	Visual	Packaging		Particle filtering half masks shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use.	Packaging withstand mechanical damage and contamination.			
inspection		Material	Security I had	Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used.	Materials withstand handling and wear.		Qualified	
2 Practical performance		Head harness comfort	Stay Co	Head harness should be comfort.	Sample 1 has the feeling of comfortable wearing Sample 2 has the feeling of comfortable wearing			
	Practical performance	Security of fastenings	astenings — Fastenings are safe and reliable		All fastenings are firm. All fastenings are firm	Qualified		
		Field of vision		Field of vision is acceptable	Samples field Samples			
1					field			
3	Finish o	of parts		Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	me Parts of the device have no		Qualified	
0		ity with skin		Materials that may come into contact with the wearer's skin shall not be	A.R.	5 pcs all don't cause irritation		
4	Compatibility with skin		1	known to be likely to cause irritation or any other adverse effect to health.	T.C.	5 pcs all don't cause irritation	Qualified	
5	Flammability			When tested, the particle filtering half	A.R.	The Sample is burning. Burning time:0.1s		
				mask shall not burn or not to		The Sample is burning. Burning time:0.1s	Qualified	
				after removal from the flame.	T.C.	The Sample is burning. Burning time:0.1s	Quanned	
35						The Sample is burning. Burning time:0.1s		

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S.No.	Test	item	Unit	Technical requirements	1//	Test r	esult	Page 3	Single item
6	Carbon diox	cide content		≤1.0% (by volume)	0.09%			decision	
	of the inhalation ai			After undergoing S.W., none of the particle filtering half masks	have mec	: either fa	ilure		
		Material		shall have suffered mechanical failure of the facepiece or	have mec		ilure		
7	Mate			straps.	Sample 3 have mec	: either fa hanical fa		nor straps	
		7		After undergoing S.W. and T.C., none of the particle	Sample 1: no collapse				
		1		filtering half masks shall not	Sa	ample 2 :	no collaps	se	
			19	collapse.	S	ample 3: 1	no collaps	e	
	Head harness			The head harness shall be designed so that the particle filtering half mask can be donned and removed easily	A.R.	All of 5 pieces particle filtering half mask meet the requirements			
8				The head harness shall be adjustable or self-adjusting and shall be sufficiently robust to hold the particle filtering half mask firmly in position	obust to T.C. All of 5 pi filtering half the requirem		half ma		
9	Field of	vision		The field of vision is acceptable if determined so in practical performance tests.	The two samples both have a wider visual field		Qualified		
		1			A.R.	0.4%	0.5%	0.4%	
		sodium chloride	-	≤6%	S.W.	0.2%	0.4%	0.3%	Qualified
10	Penetration	ffilter		M.S+T.C.	0.9%	0.8%	0.9%		
10	material		2		A.R.	2.2%	2.4%	2.1%	(0)
		Paraffin oil	_	≤6%	S.W.	2.0%	2.1%	2.4%	Qualified
					M.S+T.C. 2.9% 3.0% 3.1%		3.1%		

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S.Na	Test item		Unit	Technical requirements	Exercises	Facing directly ahead	Facing vertically upwards	Facing vertically downwards	Lying on the left side	Lying on the right side	Single item decision	
		J. 1973	M			0.3	0.3	0.2	0.2	0.2		
		11/2			A.R.	0.2	0.3	0.2	0.3	0.3		
		S. Harris				0.2	0.2	0.2	0.2	0.3		
		Z	150		4.5	0.2	0.3	0.2	0.3	0.2		
		Inhalation 30 L/min		≤0.7	S.W.	0.2	0.3	0.3	0.3	0.2	Qualifie	
			1/ ,			0.3	0.2	0.3	0.2	0.3		
		= =				0.2	0.3	0.2	0.2	0.3		
4			10	7//	T.C.	0.3	0.3	0.2	0.2	0.3		
				6/	To Marie	0.3	0.2	0.3	0.3	0.2		
						0.6	0.7	0.7	0.6	0.7		
			169	A.R.	0.7	0.6	0.7	0.6	0.7			
		Inhalation 95 L/min		mbar ≤2.4	1	0.7	0.7	0.7	0.6	0.7	Qualified	
9	D. and C.				S.W.	0.6	0.6	0.7	0.6	0.7		
	Breathing resistance		mbar			0.6	0.7	0.7	0.7	0.6		
			2/0	WE.		-5	0.7	0.6	0.7	0.6	0.6	
		11000				0.6	0.7	0.6	0.7	0.6		
4			0		T.C.	0.7	0.6	0.6	0.6	0.7		
						0.7	0.6	0.6	0.6	0.6		
		200			39	1.2	1.1	1.0	1.0	1.0		
1					A.R.	1.1	1.2	1.0	1.0	1.2		
		Exhalation 160 L/min				1.0	1.1	1.0	1.0	1.1		
7	9		7 5 6	≤3.0	s.w.	1.1	1.1	1.0	1.0	1.0	Qualified	
	533					1.0	1.0	1.0	1.2	1.1		
					77		1.0	1.2	1.0	1.0	1.0	
			1	92/	T.C.	1.2	1.1	1.1	1.0	1.1		
						1.1	1.0	1.2	1.1	1.1		
1			7	166	25	1.1	1.2	1.1	1.1	1.2		

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Note

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The end	