



国检检测
CHINA COMPONENTS TEST

Test Report

(2020) WSZ FHL NO.5044

Product Name KN95 Respirator Mask

Client Jiangsu Weichuangli New Materials Co.,Ltd.

Manufacturer _____

Test Type Entrusted inspection

Jiangsu Guojian Testing Technology Co., Ltd.



Test Report

[2020] WSZ FHL NO.5044

Page 1 of 4

Product name	KN95 Respirator Mask	Specification	WCL-0075
		Brand	—
Client/Add/Tel	Jiangsu Weichuangli New Materials Co.,Ltd./2nd Floor,Building 1,Dongneng Industrial Park,50 Shanghu Avenue,Shanghu Town,Changshu City, Jiangsu Province, China/13808806015		
Manufacturer/Add/Tel	—/—/—		
Sample grade	KN95	Sample number	GW 5044-2020
Sample quantity	60 pcs	Receiving date of sample	04/05/2020
Test type	Entrusted inspection	Article number/Batch number/Style number	—
Test date	20/05/2020~23/05/2020	Testing sites	Testing room
Sample state	Meeting the requirements of testing	Sample description	—
Test standard(s)	GB 2626-2006 Respiratory protective equipment -Non-powered air-purifying particle respirator		
Test items	General requirements, appearance requirements, respiratory resistance, head harness, flammability, dead space, vision, filter efficiency, total inward leakage		
Test conclusion	<p>The sample upon testing, the test items meet the requirements of the GB 2626-2006 standard. The detail of test results see on Pages 2-4.</p> <p style="text-align: right;">Issue date: 01/06/2020</p>		
Note	<p>For the entrusted sample test, the technical responsibilities are undertaken for the test results of the supplied samples only.</p> 		

Approver:

5.1.2e

Reviewer:

5.1.2e

Chief Tester:

5.1.2e

Test Report

[2020] WSZ FHL NO.5044

Page 2 of 4

S.No.	Test item	Unit	Technical requirements	Test result	Single item decision		
1	General requirements	—	<p>Materials shall have sufficient strength and shall not break or deform during the service life.</p> <p>The design shall be less prone to structural damage; the design, composition and installation of components shall not pose any danger to the user; headband design shall be adjustable, easy to wear and removal, able to hold the mask firmly on the face and not show significant compression or tenderness when worn; The mask shall have a small dead space and a larger field of view as much as possible; disposable mask structure shall be able to ensure close contact with the face, and shall not be deformed during the service life.</p>	Meeting the requirements	Qualified		
2	Appearance requirements	—	The surface of the sample shall not be damaged, deformed and have obvious other defects; components and structures shall be able to withstand normal conditions of use and the temperature, humidity and mechanical impact possibly encountered; headband shall be adjustable, and the replaceable mask headband design shall be replaceable; after the pretreatments of temperature, humidity and mechanical strength, the parts shall not fall off, be damaged and deformed.	Meeting the requirements	Qualified		
3	Respiratory resistance	Pa	Total inspiratory resistance ≤ 350	Untreated	135.4	Qualified	
					127.3		
			Total expiratory resistance ≤ 250	Pretreated	126.9		Qualified
					131.5		
	Untreated	101.4	Qualified				
		105.1					
	Pretreated	104.2		Qualified			
		103.5					



Test Report

[2020] WSZ FHL NO.5044

Page 3 of 4

S.No.	Test item	Unit	Technical requirements	Test result		Single item decision
4	Head harness	—	Not appearing slippage or breakage to withstand 10N tensile force lasting 10s .	Untreated	No slippage or breakage occurred	Qualified
				Pretreated	No slippage or breakage occurred	
5	Flammability	—	Parts exposed to the flame shall not burn after having been removed from the flame, if burned, the afterflame time shall not exceed 5s.	Untreated	The mask burned. The afterflame time is 0.1s.	Qualified
					The mask burned. The afterflame time is 0.1s.	
				Pretreated	The mask burned. The afterflame time is 0.1s.	
					The mask burned. The afterflame time is 0.1s.	
6	Dead space	—	≤1%	0.67%	Qualified	
7	Vision	—	Vision below ≥60°	78.4°	Qualified	
8	Filter efficiency	—	≥95.0%	Untreated	98.7%	Qualified
					98.9%	
					98.9%	
					98.7%	
					98.8%	
					98.7%	
					98.8%	
				Pretreated	98.8%	
					98.9%	
					98.8%	
					98.9%	
					98.8%	
					98.9%	
					98.9%	

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Test Report

[2020] WSZ FHL NO.5044

Page 4 of 4

S.No.	Test item	Unit	Technical requirements	Test result							Single item decision	
				Subjects	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)		
9	Total inward leakage	—	TIL <11% for at least 46 exercises in 50 exercises, and TIL <8% for at least 8 of 10 subjects.	Untreated	1#	5.1	5.6	6.0	5.6	5.2	5.5	Qualified
					2#	5.6	6.1	6.3	6.2	5.7	6.0	
					3#	5.5	6.2	6.3	6.6	5.9	6.1	
					4#	5.1	5.7	6.1	5.8	5.4	5.6	
					5#	5.9	6.5	6.6	6.4	5.9	6.3	
				Pretreated	6#	5.5	6.0	6.1	6.0	5.6	5.8	
					7#	4.6	5.1	5.6	5.5	4.8	5.1	
					8#	4.8	5.5	5.6	5.7	5.0	5.3	
					9#	5.4	6.0	6.0	5.9	5.4	5.7	
					10#	5.9	6.9	6.9	6.9	6.2	6.6	
Note												

————— The end —————

