



中国认可
国际互认
检测
TESTING
CNAS L10118



国检检测
CHINA COMPONENTS TEST

Test Report

(2020) WSZ FHL NO.5218

Product Name KN95 Folding Protective Masks (Non-Medical)

Client Chengde Technology Co., Ltd.

Manufacturer Chengde Technology Co., Ltd.

Test Type Entrusted inspection


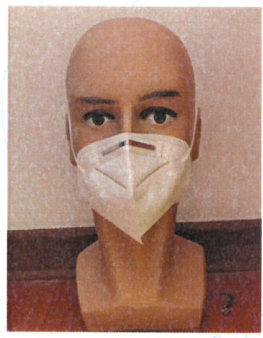
Jiangsu Guojian Testing Technology Co., Ltd.

检验专用章

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Product name	KN95 Folding Protective Masks (Non-Medical)	Specification	CD9501
		Brand	—
Client/Add/Tel	Chengde Technology Co., Ltd./No. 888 Shiji Ave, Longgang City, Zhejiang Province, China/13819793223		
Manufacturer/ Add/Tel	Chengde Technology Co., Ltd./No. 888 Shiji Ave, Longgang City, Zhejiang Province, China/13819793223		
Sample grade	KN95	Sample number	GW 5218-2020
Sample quantity	80 pcs	Receiving date of sample	07/05/2020
Test type	Entrusted inspection	Article number/Batch number/Style number	2020042901
Test date	07/05/2020~10/05/2020	Testing sites	Testing room
Sample state	Meeting the the requirements of testing	Sample description	White
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: 14/05/2020 </p>		
Note	<p>For the entrusted sample test, the technical responsibilities are undertaken for the test results of the supplied samples only.</p> <div style="text-align: right;">  </div>		

Approver: 苏晓群

Reviewer: 万恒

Chief Tester: 杨芸

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S.No.	Test item	Unit	Technical requirements	Test result		Single item decision
1	General requirements	—	Materials shall have sufficient strength and shall not break or deform during the service life.	Meeting the requirements		Qualified
			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.			
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	153.2	Qualified
					169.7	
				Pretreated	170.4	
					171.3	
			Total expiratory resistance≤250	Untreated	115.4	Qualified
					116.3	
				Pretreated	120.1	
					122.4	

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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	—	$\leq 1\%$	0.06%		Qualified
7	Vision	—	Vision below $\geq 60^\circ$	73.7°		Qualified
8	Filter efficiency	—	$\geq 95.0\%$	Untreated	98.4%	Qualified
					98.8%	
					98.7%	
					98.5%	
					98.6%	
					98.7%	
					98.7%	
					98.5%	
				Pretreated	98.6%	
					98.4%	
					98.5%	
					98.5%	
					98.3%	
					98.5%	
					98.4%	

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S.No.	Test item	Unit	Technical requirements	Test result								Single item decision
9	Total inward leakage	—	TIL <11% for at least 46 exercises in 50 exercises, and TIL <8%for at least 8 of 10 subjects.	Subjects		E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)	Qualified
				Untreated	1 [#]	5.3	5.7	6.0	6.0	5.4	5.7	
					2 [#]	4.8	5.8	5.6	5.6	5.1	5.4	
					3 [#]	5.4	6.1	6.5	6.2	5.7	6.0	
					4 [#]	4.9	5.4	5.6	5.5	5.0	5.3	
					5 [#]	4.9	5.4	5.6	5.6	5.1	5.3	
				Pretreated	6 [#]	5.6	6.6	6.8	6.8	6.1	6.4	
					7 [#]	5.8	6.5	6.6	6.7	6.1	6.3	
					8 [#]	5.5	6.1	6.4	6.4	5.7	6.0	
					9 [#]	5.1	5.7	5.8	5.7	5.2	5.5	
					10 [#]	5.4	6.0	6.4	6.1	5.7	5.9	
Note												

The end