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检测
TESTING
CNAS L7901

检验检测报告

TEST REPORT



STFWT202012285

Product Name KN95 Facemask

Trust Unit Yiwu Lvjian daily necessities Co.,Ltd

Manufacturer Yiwu Lvjian daily necessities Co.,Ltd

Test Category Commission sample inspection



江苏省特种安全防护产品质量监督检验中心

JIANGSU QUALITY SUPERVISION AND INSPECTION CENTER FOR SPECIAL SAFETY PROTECTION PRODUCTS



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Product Name	KN95 Facemask	Specification Type	9551
		Trademark	绿舰
Trust Unit	Yiwu Lvjian daily necessities Co.,Ltd	Tel	13676815981
Manufacturer	Yiwu Lvjian daily necessities Co.,Ltd	Sample Grade	KN95
Sample Quantity	50 PIECES	Sample Receiving Date	2020-05-04
Test Category	Commission sample inspection	Serial Number	—
Samples Conditions	Meet the test requirements		
Document and Decide Accordance	GB 2626-2006 《Respiratory protective equipment — nor-powered air-purifying particle respirator》		
Test Conclusion	The samples were tested, and the test items met the requirements of GB 2626-2006 standard for KN95 level. <div style="text-align: right;">Signature Date: 2020-05-20</div>		
Remarks	The test item marked with "--" indicates that no single evaluation or no single evaluation conditions are allowed. The test conclusion of this report is only for the items inspected and does not mean that the uninspected items or functions meet the requirements. The report is responsible for samples only.		



Approver

Handwritten signature of the Approver

Examiner

Handwritten signature of the Examiner: 杨森

Major tester

Handwritten signature of the Major Tester: 蔡燕文

Testing Results

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Serial	Test Items	Unit	Requirement	Results	Individual Judgment																				
1	General requirements	—	<p>Materials:</p> <p>a) Materials in direct contact with the face should be harmless to the skin.</p> <p>(b) The filter material shall be harmless to humans.</p> <p>(c) The material used shall have sufficient strength to withstand breakage or deformation during its normal service life.</p> <p>Structure:</p> <p>(a) should not be susceptible to structural damage and the design, composition and installation of the components should not pose any hazard to the user.</p> <p>(b) The headband should be designed to be adjustable and easy to wear and remove, should securely fasten the mask to the face and should be worn without visible compression or pain, and the headband design of the replaceable half mask and full mask should be replaceable.</p> <p>(c) Should have as small Carbon dioxide content of the inhalation air and a large field of view as possible.</p> <p>(d) The disposable mask shall be constructed to ensure a close fit to the face and shall be free from deformation during its service life.</p>	<p>Structure:</p> <p>a) Not be susceptible to structural damage and the design, composition and installation of the components should not pose any hazard to the user</p> <p>b) headband is adjustable, which is easy to wear and take off, can firmly fix the mask on the face, and there is no obvious compression and tenderness when wearing it;</p> <p>c) Have as small Carbon dioxide content of the inhalation air and a large field of view as possible</p> <p>d) The disposable mask shall be constructed to ensure a close fit to the face and shall be free from deformation during its service life;</p>	—																				
2	Visual inspection	—	<p>The surface shall be free from breakage, deformation and other obvious defects, the material and construction of the components shall be able to withstand normal conditions of use and the temperature, humidity and mechanical shocks that may be encountered, the headband shall be adjustable and the headband design of the replaceable mask shall be replaceable. Parts should not be dislodged, damaged or deformed after pre-treatment with temperature and humidity.</p>	Qualified	Qualified																				
3	Respiratory resistance	Pa	<p>Total inhalation resistance should not exceed 350 and total exhalation resistance should not exceed 250 for each sample.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th colspan="2" style="text-align: center;">Sample No</th> <th style="text-align: center;">MV</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center; vertical-align: middle;">Total inspira tory resista nce</td> <td style="text-align: center;">Unpretreat ed</td> <td style="text-align: center;">1#</td> <td style="text-align: center;">139.6</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">Qualified</td> </tr> <tr> <td></td> <td style="text-align: center;">2#</td> <td style="text-align: center;">143.2</td> </tr> <tr> <td rowspan="2" style="text-align: center; vertical-align: middle;">Temperatur e and humidity treatment</td> <td></td> <td style="text-align: center;">5#</td> <td style="text-align: center;">147.6</td> </tr> <tr> <td></td> <td style="text-align: center;">6#</td> <td style="text-align: center;">150.3</td> </tr> </tbody> </table>			Sample No		MV	Total inspira tory resista nce	Unpretreat ed	1#	139.6	Qualified		2#	143.2	Temperatur e and humidity treatment		5#	147.6		6#	150.3	Qualified
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		6#	150.3																						

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Serial	Test Items	Unit	Requirement	Results				Individual Judgment
3	Respiratory resistance	Pa	Total inhalation resistance should not exceed 350 and total exhalation resistance should not exceed 250 for each sample.	Total inspiratory resistance	Unpretreated	3#	120.4	Qualified
						4#	117.6	
					Temperature and humidity treatment	7#	116.9	
						8#	121.3	
4	Field of vision	—	Lower field of vision $\geq 60^\circ$	64°				Qualified
5	Carbon dioxide content of the inhalation air	—	CO ₂ volume fraction should be no greater than 1%.	CO ₂ Volume fraction as 0.5%				Qualified
6	Filter efficiency /%(NaCl particulate matter)	—	KN90: ≥ 90.0 KN95: ≥ 95.0 KN100: ≥ 99.97	Sample No		MV		Qualified
				Unpretreated	9#	Initial	99.1	
							Load	
				Unpretreated	10#	Initial	99.6	
						Load	98.8	
				Unpretreated	11#	Initial	99.6	
						Load	98.8	
				Unpretreated	12#	Initial	99.6	
						Load	98.7	
				Unpretreated	13#	Initial	99.7	
						Load	99.0	
				Unpretreated	14#	Initial	99.5	
						Load	98.7	
				Unpretreated	15#	Initial	99.6	
						Load	98.8	
				Unpretreated	16#	Initial	99.4	
						Load	98.7	
				Unpretreated	17#	Initial	99.6	
						Load	98.8	
				Unpretreated	18#	Initial	99.6	
						Load	98.8	
				Temperature and humidity treatment	19#	Initial	99.3	
						Load	98.7	
Temperature and humidity treatment	20#	Initial	99.2					
		Load	98.6					
Temperature and humidity treatment	21#	Initial	99.4					
		Load	98.7					
Temperature and humidity treatment	22#	Initial	99.3					
		Load	98.6					
Temperature and humidity treatment	23#	Initial	99.3					
		Load	98.6					

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Serial	Test Items	Unit	Requirement	Results	Individual Judgment																											
7	Headband	—	Each headband, buckle and other adjusting parts of the mask should not slip or break when subjected to a 10N tension for 10s.	Without pretreatment: 1 [#] sample's each headband, buckle and other adjustment parts did not slip or break after being subjected to 10N of tension for 10s. With pretreatment: 5 [#] sample's each headband, buckle and other adjustment parts did not slip or break after being subjected to 10N of tension for 10s.	Qualified																											
8	exhalation valve cover	—	The exhalation valve cover is subjected to 10N axial tension for 10s, there should be no slippage, fracture and deformation.	Without Exhalation valve, not applied for this test item	—																											
9	exhalation valve air tightness	—	Each sample shall be free from one of the following conditions.(a) When the pumping flow rate has reached 500 mL/min, the system negative pressure is less than 1180 Pa.(b) The time for the expiratory valve to return to atmospheric pressure is less than 20s.	Without Exhalation valve, not applied for this test item	—																											
10	Leakage/% (Total Inward Leakage of Disposable Mask)	—	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">filter material level</td> <td style="width: 40%;">Based on Til of each action (i. e. 10 persons and 5 actions) , TIL of at least 46 actions in 50 actions</td> <td style="width: 10%;">Unpretreated</td> <td style="width: 30%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>31[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>32[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>33[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>34[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>35[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>36[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>37[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>38[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>39[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>40[#]</td><td>with 47 movement TIL less than 11</td></tr> </table> </td> </tr> <tr> <td>KN95</td> <td><11</td> <td>Temperature and humidity treatment</td> <td></td> </tr> </table>	filter material level	Based on Til of each action (i. e. 10 persons and 5 actions) , TIL of at least 46 actions in 50 actions	Unpretreated	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>31[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>32[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>33[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>34[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>35[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>36[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>37[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>38[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>39[#]</td><td>with 47 movement TIL less than 11</td></tr> <tr><td>40[#]</td><td>with 47 movement TIL less than 11</td></tr> </table>	31 [#]	with 47 movement TIL less than 11	32 [#]	with 47 movement TIL less than 11	33 [#]	with 47 movement TIL less than 11	34 [#]	with 47 movement TIL less than 11	35 [#]	with 47 movement TIL less than 11	36 [#]	with 47 movement TIL less than 11	37 [#]	with 47 movement TIL less than 11	38 [#]	with 47 movement TIL less than 11	39 [#]	with 47 movement TIL less than 11	40 [#]	with 47 movement TIL less than 11	KN95	<11	Temperature and humidity treatment		Qualified
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KN95	<11	Temperature and humidity treatment																														

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Serial	Test Items	Unit	Requirement		Results		Individual Judgment	
10	Leakage/% (Total Inward Leakage of Disposable Mask)	—	filter material level	Total Inward Leakage for at least 8 out of 10 subjects when evaluated on a total person basis	Unpretreated	31#	With 9person TIL less than 8	Qualified
			32#	With 9person TIL less than 8				
			33#	With 9person TIL less than 8				
			34#	With 9person TIL less than 8				
			35#	With 9person TIL less than 8				
			Temperature and humidity treatment	36#	With 9person TIL less than 8			
				37#	With 9person TIL less than 8			
				38#	With 9person TIL less than 8			
				39#	With 9person TIL less than 8			
				40#	With 9person TIL less than 8			
11	Flammability	—	The parts exposed to the flame should not burn after being removed from the flame; if they do, the renewal time should not exceed 5s.		Without Pretreatment: 1#、2# samples exposed to flame and being removed, the sample did not burn. With Pretreatment: 3#、4# samples exposed to flame and being removed, the sample did not burn.		Qualified	
12	Connect and connect parts	—	Replaceable type filter element and masks, breathing tube and filter element and mask all connections and links between parts, in 10 n under axial tension and lasts 10 s, should not appear slippage, fracture or deformation.		Test sample is Disposable Respiratory, not applied for this test items		—	

Test sample picture



—The following blank—

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