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检测
TESTING
CNAS L7901

检验检测报告

TEST REPORT



STFWT20207229

Product Name

KN95 Mask

Trust Unit

K-Captain (Jinhua) Protection
Technology Co., Ltd.

Manufacturer

K-Captain (Jinhua) Protection
Technology Co., Ltd.

Test Category

Trust Test



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

Test Report

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Product Name	KN95 Mask	Specification Type	—
		Trademark	K-Captain
Trust Unit	K-Captain (Jinhua) Protection Technology Co., Ltd.	Tel	13405784110
Manufacturer	K-Captain (Jinhua) Protection Technology Co., Ltd.	Sample Grade	KN95
Sample Quantity	40	Sample Receiving Date	2020-03-31
Test Category	Trust Test	Serial Number	
Samples Conditions	Accord with detecting request		
Document and Decide Accordance	GB 2626-2006 《Respiratory protective equipment. Non-powered air-purifying particle respirator》		
Test Conclusion	The samples were tested, and the items tested meet the requirements of GB 2626-2006 standard KN95 level. SignatuimDate: 2020-04-08		
Remarks	Test items marked“——”are not Subject to or not meet the conditions for individual judgment. the items inspected and does not mean that the uninspected items or functions meet the requirements The results apply to the sample as received.		

Approver

陈敏

Examiner

吴亮亮

Majortester

蔡燕文

Testing Results

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Serial	Test Items	Unit	Requirement	Results	Individual Judgment																										
1	General requirements	—	Materials: a) Materials in direct contact with the face should be harmless to the skin. (b) The filter media shall be harmless to humans. (c) The material used shall have sufficient strength to withstand breakage or deformation during its normal service life. Structure: (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. (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. (c) Should have as small a dead space and a large field of view as possible. (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.	Structure: a) That is not susceptible to structural damage and the design, composition and installation of the components do not pose any hazard to the user. b) The headband is designed to be adjustable for easy wearing and removal, to hold the mask securely to the face, and to be worn without significant compression or pressure pain. c) Has a smaller dead space and a larger field of view.	—																										
2	External Inspection	—	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.	Meet the requirements.	Qualified																										
3	Respiratory resistance	Pa	Total inhalation resistance should not exceed 350 and total exhalation resistance should not exceed 250 for each sample.	<table><tr><th colspan="3">Sample No.</th><th>MV</th></tr><tr><td rowspan="4">Total inspiratory resistance</td><td rowspan="2">Unprocessed</td><td>1[#]</td><td>109.3</td></tr><tr><td>2[#]</td><td>110.3</td></tr><tr><td rowspan="2">Pretreatment</td><td>5[#]</td><td>112.3</td></tr><tr><td>6[#]</td><td>109.9</td></tr><tr><td rowspan="4">Total exhalation resistance</td><td rowspan="2">Unprocessed</td><td>3[#]</td><td>79.6</td></tr><tr><td>4[#]</td><td>83.4</td></tr><tr><td rowspan="2">Pretreatment</td><td>7[#]</td><td>84.5</td></tr><tr><td>8[#]</td><td>87.2</td></tr></table>	Sample No.			MV	Total inspiratory resistance	Unprocessed	1 [#]	109.3	2 [#]	110.3	Pretreatment	5 [#]	112.3	6 [#]	109.9	Total exhalation resistance	Unprocessed	3 [#]	79.6	4 [#]	83.4	Pretreatment	7 [#]	84.5	8 [#]	87.2	Qualified
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		4 [#]	83.4																												
	Pretreatment	7 [#]	84.5																												
		8 [#]	87.2																												
4	Vision	—	Lower field of view $\geq 60^{\circ}$	63°	Qualified																										

Testing Results

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Serial	Test Items	Unit	Requirement	Results				Individual Judgment
5	Filtration efficiency/% (NaCl particulate matter)	—	KN95: ≥95.0	Sample No.		MV		Qualified
				9 [#]	Initial	99.0		
					10 [#]	Loaded	98.5	
				11 [#]		Initial	98.8	
					12 [#]	Loaded	98.3	
				13 [#]		Initial	99.0	
					14 [#]	Loaded	98.4	
				15 [#]		Initial	99.1	
					16 [#]	Loaded	98.5	
				17 [#]		Initial	98.7	
					18 [#]	Loaded	98.2	
				19 [#]		Initial	99.0	
					20 [#]	Loaded	98.4	
				21 [#]		Initial	98.9	
					22 [#]	Loaded	98.3	
				23 [#]		Initial	98.8	
						Loaded	98.2	
						Initial	99.0	
						Loaded	98.4	
						Initial	99.1	
						Loaded	98.5	
						Initial	98.7	
						Loaded	98.2	
	Initial	99.0						
		Loaded	98.4					
		Initial	99.1					
		Loaded	98.5					
		Initial	98.9					
		Loaded	98.3					
		Initial	98.8					
		Loaded	98.2					
		Initial	99.0					
		Loaded	98.4					
		Initial	98.6					
		Loaded	98.1					
		Initial	99.0					
		Loaded	98.4					
		Initial	98.5					
		Loaded	98.0					
		Initial	98.0					
		Loaded	97.4					
		Initial	98.9					
		Loaded	98.2					
6		Headband	—	Each headband, buckle and other adjusting parts of the mask should not slip or break when subjected to a 10N tension for 10s.	Not processed: Each headband, buckle and other adjusting parts of the 1# mask did not slip or break after being subjected to 10N of tension for 10s. After pretreatment: Each headband, buckle and other adjusting parts of the 5# mask did not slip or break after being subjected to 10N tension for 10s.			Qualified
7	Dead Space	—	CO ₂ volume fraction should be no greater than 1%.	CO ₂ volume fraction's 0.4%			Qualified	

Testing Results

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Serial

Test Items

Unit

Requirement

Results

Individual Judgment

8

Breath valve cover

—

The exhalation valve cover is subjected to 10N axial tension for 10s, there should be no slippage, fracture and deformation.

Without this component, this item will not be evaluated

—

9

Breathing 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 this component, this item will not be evaluated

—

10

Leakage/%
(Total Inward Leakage of Disposable Mask)

—

Filter media level

Based on Til of each action (i. e. 10 persons and 5 actions) , TIL of at least 46 actions in 50 actions

Unprocessed

26[#]

There are 47 actionss with a TIL less than 11.

27[#]

There are 47actionss with a TIL less than 11.

28[#]

There are 47actionss with a TIL less than 11.

29[#]

There are 47actionss with a TIL less than 11.

30[#]

There are 47actionss with a TIL less than 11.

KN95

<11

Pretreatment

31[#]

There are 47 actionss with a TIL less than 11.

32[#]

There are 47 actionss with a TIL less than 11.

33[#]

There are 47actionss with a TIL less than 11.

34[#]

There are 47 actionss with a TIL less than 11.

35[#]

There are 47 actionss with a TIL less than 11.

Filter media level

Total Inward Leakage for at least 8 out of 10 subjects when evaluated on a total person basis

Unprocessed

26[#]

There were 9 people with a TIL less than 8.

27[#]

There were 9 people with a TIL less than 8.

28[#]

There were 9 people with a TIL less than 8.

29[#]

There were 9 people with a TIL less than 8.

30[#]

There were 9 people with a TIL less than 8.

KN95

<8

Pretreatment

31[#]

There were 9 people with a TIL less than 8.

32[#]

There were 9 people with a TIL less than 8.

33[#]

There were 9 people with a TIL less than 8.

34[#]

There were 9 people with a TIL less than 8.

35[#]

There were 9 people with a TIL less than 8.

Qualified

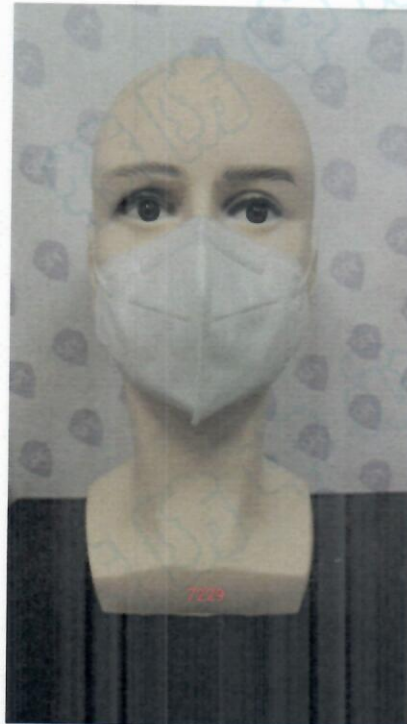
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Serial	Test Items	Unit	Requirement	Results	Individual Judgment
11	Flammability	—	The parts exposed to the flame should not burn after being removed from the flame; if they do, the renewal time should not exceed 5s.	Not processed: 1 [#] , 2 [#] The parts of the specimen exposed to the flame did not burn after being removed from the flame. After pretreatment: 3 [#] , 4 [#] The parts of the specimen exposed to the flame did not burn after being removed from the flame.	Qualified

Test sample picture



—The following blank—

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