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中国认可  
国际互认  
检测  
TESTING  
CNAS L7901

# 检验检测报告

## TEST REPORT



GTFWT20211557

Product Name AIRPOP LIGHT SE Mask

Trust Unit Aetheris Technology (Shanghai) Co.,Ltd.

Manufacturer \_\_\_\_\_

Test Category Entrusted 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

国家特种劳动防护用品质量检验检测中心(江苏)

NATIONAL QUALITY INSPECTION CENTER FOR SPECIAL LABOR PROTECTION ARTICLES (JIANGSU)



# Test Report

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Product Name	AIRPOP LIGHT SE Mask	Specification Type	Free size
		Trademark	AIRPOP
Trust Unit	Aetheris Technology ( Shanghai ) Co.,Ltd.	Tel	15899763237
Manufacturer	——	Sample Grade	KN95
Sample Quantity	70 pcs	Sample Receiving Date	2021-10-25
Test Category	Entrusted Test	Serial Number	——
Samples Conditions	Meet the testing requirements	Test Date	2021-10-25~2021-11-03
Document and Decide Accordance	GB 2626-2019 《respirator protection products Self-breath Particles Filtration Respirator》		
Test Conclusion	<p>See page 2 for the test results</p> <p>SignatuimDate: 2021-11-03</p>		
Remarks	This report is only responsible for the test results issued by the samples.		

Approver

陈敏

Examiner

吴亮亮

Compiler

陆蓓



## Testing Results

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Serial	Test Items	Unit	Requirement	Results	Individual Judgment
1	The basic requirements (structure)	—	<ol style="list-style-type: none"> <li>1) Structural damage shall not occur easily, and the design, composition and installation of components shall not pose any danger to users;</li> <li>2) The headband shall be elastic or adjustable, easy to wear and remove, and the face mask shall be firmly fixed on the face, and no obvious compression or tenderness shall appear during wearing. The headband of replaceable facepiece and full facepiece shall be replaceable;</li> <li>3) If masks of the same size and style are worn in different ways, they should be tested for different products;</li> <li>4) The visual field should not be significantly affected</li> <li>5) During wearing, the lens of the full facepiece should not be fogged or otherwise affect the vision.</li> <li>6) The respirator with replaceable filter elements, inhalation valve, exhalation valve and headband shall be designed to be easily replaced, and the wearer can check the air tightness of the mask and face at any time and conveniently, and check the air tightness of wearing;</li> <li>7) The breathing hose shall not restrict the head movement or the movement of the wearer, shall not affect the tightness of the mask, and shall not restrict or block the airflow;</li> <li>8) Protection shall be provided on the front of the exhalation valve. The exhalation valve protection device may be a specially designed part or play a protective role with the help of other parts on the mask;</li> <li>9) The structure of the disposable facepiece should be able to ensure the close fit with the face, and should not be deformed in normal use;</li> <li>10) Parts of replaceable facepiece (filter elements) should be cleanable;</li> </ol>	<ol style="list-style-type: none"> <li>1) It is not easy to cause structural damage, and the design, composition and installation of components do not pose any danger to users</li> <li>2) The headband is designed as elastic material, adjustable, easy to wear and remove, and can firmly fix the mask on the face without obvious compression or tenderness during wearing;</li> <li>3) The field of vision is not significantly affected;</li> <li>4) The structure of the disposable facepiece can ensure the close contact with the face, and it will not be deformed in normal use;</li> </ol>	Qualified



## Testing Results

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Serial	Test Items	Unit	Requirement	Results				Individual Judgment
2	Appearance inspection	—	The surface of the sample shall be free from damage, deformation and other obvious defects. The material and structure of the components shall be able to withstand normal service conditions and possible temperature, humidity and mechanical impact. After temperature and humidity pretreatment and mechanical strength pretreatment	The surface of the sample is free from damage, deformation and other obvious defects. The material and structure of the components can withstand normal service conditions and possible temperature, humidity and mechanical impact. After temperature and humidity				Qualified
3	Breath Resistance	Pa	disposable facepiece KN95: inhalation resistance :≤210 exhalation resistance:≤210	Sample No			MV	Qualified
				Total inspiratory resistance	Unpretreated	1 <sup>#</sup>	100.4	
						2 <sup>#</sup>	98.7	
					pretreated	5 <sup>#</sup>	94.3	
						6 <sup>#</sup>	96.1	
				Total exhalation resistance	Unpretreated	3 <sup>#</sup>	73.2	
						4 <sup>#</sup>	74.5	
					pretreated	7 <sup>#</sup>	70.4	
						8 <sup>#</sup>	69.9	
4	Headband	—	Each headband, buckle and other adjusting parts of the mask should not slip or break when subjected to a 10N tension for 10s.	Unpretreated 1 <sup>#</sup> Each headband, buckle and other adjusting parts of themask did not slip or break after being subjected to 10N of tension for 10s. After pretreatment: 5 <sup>#</sup> Each headband, buckle and other adjusting parts of the mask did not slip or break after being subjected to 10N tension for 10s.				Qualified
5	Carbon dioxide content of the inhalation air	—	CO <sub>2</sub> volume fraction should be no greater than 1%.	0.4%				Qualified
6	Field of vision	—	lower field of vision ≥35°	62°				Qualified
			binocular field of vision ≥65%	73%				



# Testing Results

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Serial	Test Items	Unit	Requirement	Results					Individual Judgment
7	Filter efficiency /% (NaCl particulate matter)	—	KN95: ≥95.0	Sample No		MV			Qualified
				Unpretreated	9 <sup>#</sup>	98.6			
					10 <sup>#</sup>	98.7			
					11 <sup>#</sup>	98.7			
					12 <sup>#</sup>	98.8			
					13 <sup>#</sup>	98.6			
					14 <sup>#</sup>	98.7			
					15 <sup>#</sup>	98.6			
					16 <sup>#</sup>	98.7			
					17 <sup>#</sup>	98.8			
					18 <sup>#</sup>	98.6			
					19 <sup>#</sup>	98.7			
					20 <sup>#</sup>	98.6			
					21 <sup>#</sup>	98.7			
					22 <sup>#</sup>	98.8			
					23 <sup>#</sup>	98.6			
				Temperature and humidity treatment	24 <sup>#</sup>	98.5			
					25 <sup>#</sup>	98.4			
					26 <sup>#</sup>	98.4			
					27 <sup>#</sup>	98.3			
					28 <sup>#</sup>	98.4			
8	Practical performance / score	—	According to the method of 6.16, under the condition of simulated use, the subjects provide subjective evaluation for the performance that is difficult to evaluate by other detection methods, such as those specified in 5.1b) and 5.11	Experimenter	E2	E3	E9	E12	Qualified
				A	3	3	3	3	
				B	3	3	3	3	
9	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.	Unpretreated 1 <sup>#</sup> , 2 <sup>#</sup> The parts of the specimen exposed to the flame did not burn after being removed from the flame. After pretreatment: 3 <sup>#</sup> , 4 <sup>#</sup> The parts of the specimen exposed to the flame did not burn after being removed from the flame.					Qualified



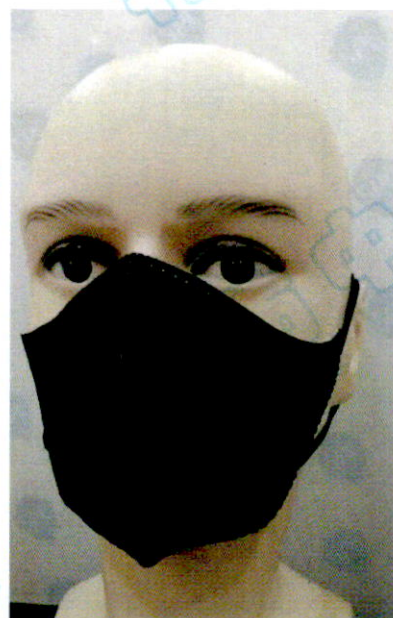
## Testing Results

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Serial	Test Items	Unit	Requirement	Results							Individual Judgment	
10	Leakage/%	——	Based on Til of each action (i. e. 10 persons and 5 actions) , TIL of at least 46 actions in 50 actions KN95 <11  Total Inward Leakage for at least 8 out of 10 subjects when evaluated on a total person basis KN95 <8	No.		TIL					Qualified	
						static	Head (side/ side)	Head (up /down)	Talk	static		Mean
				Unpre treated	31 <sup>#</sup>	4.8	4.9	5.6	5.1	4.5		5.0
					32 <sup>#</sup>	4.2	4.5	4.9	4.6	3.9		4.5
					33 <sup>#</sup>	4.7	5.6	6.6	6.0	4.4		5.5
					34 <sup>#</sup>	7.4	11.2	11.6	11.3	6.6		9.6
					35 <sup>#</sup>	5.2	6.1	6.8	6.0	4.4		5.7
				pretre ated	36 <sup>#</sup>	5.2	6.1	6.1	5.7	4.3		5.5
					37 <sup>#</sup>	5.5	6.3	7.1	6.8	4.6		6.0
					38 <sup>#</sup>	4.3	4.5	5.1	4.3	3.5		4.3
					39 <sup>#</sup>	5.6	6.2	7.1	6.4	5.2		6.1
					40 <sup>#</sup>	5.9	6.0	6.9	6.8	5.9		6.3
				47 out of the 50 individual exercise results ≤ 11 9 individual wearer arithmetic means≤ 8								
rema rks	The subjective evaluation of practical performance adopts 5-point scoring method; 5 points indicate that they have the best feeling for an evaluation project, 3 points indicate moderate feeling, and 1 point indicates unacceptable feeling E2: Rapid Walking Test    E3: Flexion and extension walking test    E9: Pipeline experiment E12: Filling Test											

### Test sample picture



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