



中国认可
国际互认
检测
TESTING
CNAS L10118

国健检测

Test Report

(2021) WSZ FHL NO.1649R-1

Product Name MEO|Guard Flat Fold Disposable Respirator

Client Healthy Breath (Xiamen) Technology Ltd

Manufacturer Healthy Breath (Xiamen) Technology Ltd

Test Type Entrusted inspection

Jiangsu Guojian Testing Technology Co.,Ltd



Test Report



[2021] WSZ FHL NO.1649R-1

Page 1 of 6

Product name	MEO Guard Flat Fold Disposable Respirator	Specification	—
		Brand	MEO™
Client/Add/Tel	Healthy Breath (Xiamen) Technology Ltd/5F2,No.287 Haijing Road, Xiamen Area of China (Fujian) Pilot Free Trade Zone/15959236287		
Manufacturer/Add/Tel	Healthy Breath (Xiamen) Technology Ltd/5F2,No.287 Haijing Road, Xiamen Area of China (Fujian) Pilot Free Trade Zone/15959236287		
Sample grade	KN95	Sample number	GW1649-2021
Sample quantity	50 pcs	Receiving date of sample	20/10/2021
Test type	Entrusted inspection	Article number/Batch number/Style number	—
Test date	20/10/2021 ~28/10/2021	Testing sites	Testing rooms
Sample state	Meeting the requirements of testing	Sample description	White
Test standard(s)	GB 2626-2019 Respiratory protection — Non-powered air-purifying particle respirator		
Test item(s)	Appearance requirements, basic requirements, filtration efficiency, head harness, respiratory resistance, total inward leakage, flammability, vision, practical performance, dead space		
Test conclusion	The sample upon testing, the test items meet the requirements of the GB 2626-2019 standard. The detail of test results see on Pages 2-5.		
Note	The original report [2021] WSZ FHL NO.1649 was cancelled. For the entrusted sample test, the technical responsibilities are undertaken for the test results of the supplied samples only.		



Approver: 苏晓群

Reviewer: 万煜

Chief Tester: 杨莹

Test Result



[2021] WSZ FHL NO.1649R-1

Page 2 of 6

S.No.	Test item	Unit	Technical requirement	Test result	Single item decision
1	Basic requirements	—	<p>Materials shall have sufficient strength and shall not break or deform during the service life.The mask shall not produce obvious tenderness or tingling when worn.</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 elastic or adjustable, easy to wear and removal, able to hold the mask firmly on the face and not show significant compression or tenderness when worn; Should not significantly affect the field of vision; Respirators using replaceable exhalation valves should be designed to be easily replaced, which can enable the wearer to check the air tightness of the mask and face at any time and conveniently, and do the wearing air tightness check; The front of the exhalation valve should be protected, and the exhalation valve protection device can be a special component, or it can play a protective role with the help of other components on the mask; disposable mask structure shall be able to ensure close contact with the face, and shall not be deformed during the service life.</p>	<p>Materials have sufficient strength and do not break and deform during the service life.The mask does not produce obvious tenderness and tingling when worn.</p> <p>The design is less prone to structural damage; the design, composition and installation of components do not pose any danger to the user; The headband is of elastic material , easy to wear and removal, able to hold the mask firmly on the face and not show significant compression and tenderness when worn; the mask does not significantly affect the visual field; No the exhalation valve; disposable mask structure is able to ensure close contact with the face, and is not deformed during the service life.</p>	Pass

Test Result



[2021] WSZ FHL NO.1649R-1

Page 3 of 6

S.No.	Test item	Unit	Technical requirement	Test result	Single item decision	
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; after the pretreatments of temperature, humidity and mechanical strength, the parts shall not fall off, be damaged and deformed.	The surface of the sample is not damaged, deformed and have obvious other defects; components and structures is able to withstand normal conditions of use and the temperature, humidity and mechanical impact possibly encountered; after the pretreatments of temperature, humidity and mechanical strength, the parts do not fall off, be damaged and deformed.	Pass	
3	Respiratory resistance	Pa	Inspiratory resistance ≤ 210	Untreated	63.7	Pass
					62.5	
				Pretreated	63.1	
					62.7	
			Expiratory resistance ≤ 210	Untreated	46.2	Pass
					45.3	
Pretreated	44.7					
	45.6					
4	Head harness	—	Not appearing slippage or breakage to withstand 10N tensile force lasting 10s .	Untreated	No slippage or breakage occurred	Pass
				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 afterflame time is 0.4s	Pass
				Pretreated	The afterflame time is 0.4s	
6	Dead Space	—	$\leq 1\%$	0.63%	Pass	
7	Vision	—	View below $\geq 35^\circ$	64.0°	Pass	
		—	Binocular vision $\geq 65\%$	78.3%		

Test Result



[2021] WSZ FHL NO.1649R-1

Page 4 of 6

S.No.	Test item	Unit	Technical requirement	Test result							Single item decision	
8	Filtration efficiency	—	$\geq 95.0\%$	Untreated	99.9%							Pass
					99.8%							
					99.9%							
					99.8%							
					99.9%							
					99.9%							
					99.9%							
					99.9%							
					99.9%							
					99.8%							
					99.8%							
					99.9%							
					99.9%							
				99.9%								
				99.9%								
				99.9%								
				9	Total inward leakage	—	TIL <11% for at least 46 exercises in 50 exercises, and TIL <8% for at least 8 of 10 subjects.	Exercises	D1 (%)	D2 (%)	D3 (%)	
Untreated												
1#	1.8	2.2	2.8					3.4	2.1	2.5		
2#	0.8	1.1	1.3					1.8	0.9	1.2		
3#	1.2	2.1	3.4					4.1	1.8	2.5		
4#	2.0	2.9	4.0					5.1	2.7	3.3		
5#	1.1	1.7	2.5					3.1	1.6	2.0		
Pretreated												
6#	0.9	1.2	1.8					2.4	1.1	1.5		
7#	1.3	1.8	2.5					3.1	1.6	2.1		
8#	2.3	3.1	4.2					5.3	2.8	3.5		
9#	1.1	1.4	2.5					2.9	1.2	1.8		
10#	1.6	2.3	2.9					3.4	1.8	2.4		

Test Result



S.No.	Test item	Unit	Technical requirements	Test result			Single item decision	
10	Practical performance	—	<p>(a) Fast walking test: The subjects walked in normal posture on the horizontal running platform with a walking speed of 6.0km/h and a duration of 10min. (b) Bending walking test: The subjects walked in a bending posture on the horizontal running platform, the height of the bending posture was controlled to be (1.3 soil 0.2)m, the duration was 5min, and the total walking distance was about 140mm. (c) Pipeline test: the subject crawls in a pipeline with a width of (0.70 0.05)m and a length of 4 m. The roof of the pipeline should be so low as to restrict the subject from carrying a respirator, but take it off, push it in front or pull it behind, but still breathe through the respirator. (d) Filling test: The subjects fill the basket with a volume of about 8L with test materials, bend over or fill the basket with test materials crisply, then stand up and pour the test materials in the basket into a container with a height of 1.5m, which is repeated for about 20 times within 10min. The sequence of test items shall be determined by the person in charge of the test as appropriate, and the total test time shall be no less than 30min. Unless otherwise specified in the standard of this type of respirator, the implementation of test items shall be continuous, and the respirator shall not be removed between each test item. Aft that test, the subject independently evaluate the practical performance of the test respirator according to their actual feelings about the relevant evaluation item. Subjective evaluation adopts a 5-point scoring method; 5 points indicates the best feeling for an evaluation item, 3 points indicates moderate feeling, and 1 point indicates unacceptable feeling.</p>	Evaluation project		Sample 1 (untreated sample)	Sample 2 (temperature and humidity pretreatment sample)	Pass
		Categories directly related to security	Breathe	3 points (Moderate)	3 points (Moderate)			
			Visual	3 points (Moderate)	3 points (Moderate)			
			Safety	3 points (Moderate)	3 points (Moderate)			
			Communication ability	3 points (Moderate)	3 points (Moderate)			
			Control	3 points (Moderate)	3 points (Moderate)			
			Activity	3 points (Moderate)	3 points (Moderate)			
			Wear balance	3 points (Moderate)	3 points (Moderate)			
			Ease of use	3 points (Moderate)	3 points (Moderate)			
			Comfort	3 points (Moderate)	3 points (Moderate)			
			Maintenance and storage	3 points (Moderate)	3 points (Moderate)			
			Operating instruction	3 points (Moderate)	3 points (Moderate)			
			Overall evaluation	3 points (Moderate)	3 points (Moderate)			
				Practical performance evaluation: meeting the requirements				
Note								

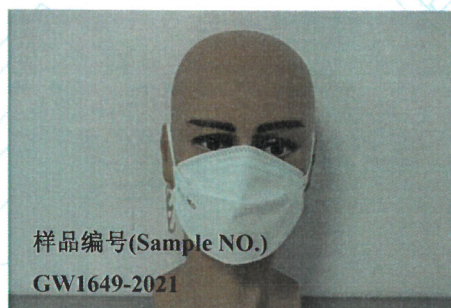
Test Result



[2021] WSZ FHL NO.1649R-1

Page 6 of 6

Annex A- Sample Photo



The end

Points For Attention

1. This test report shall not be valid if it is not stamped with this Company special seal or data modification for the test report.
2. Any dissidence with the test results in this report should be submitted to this Company within 15 days from the date of receiving the report.
3. As for entrusted inspection of sample supplied by client, this Company is only responsible for the test results of the sample, which are used to provide the client with a good understanding of the sample quality.
4. This test report shall not be reproduced in any way without permission. The copy of the test report shall be reproduced in full and shall be valid after confirmed by this Company for affixing the special seal of test report.
5. The remaining samples of the test must be taken back within three months or shelf life whichever is shorter from receiving this test report. Those which are overdue to be taken back will be dealt with in accordance with this Company's regulations.

Company address: 3/F., Unit D, Xingye Building, Taihu International Tech-Park, Wuxi, Jiangsu, China

Postal code:214000

Telephone number:0510-85385997、 0510-85387433 、 0510-85384551

Fax:0510-85387433