



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.4414

Product Name Disposable Protective Mask

Client Guangzhou Biofil Air Purification Materials Co., Ltd

Manufacturer Guangzhou Biofil Air Purification Materials Co., Ltd

Test Type Entrusted inspection


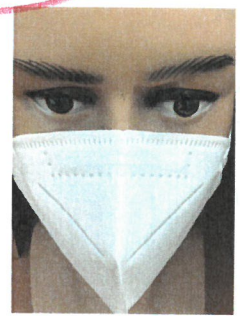
Jiangsu Guojian Testing Technology Co., Ltd



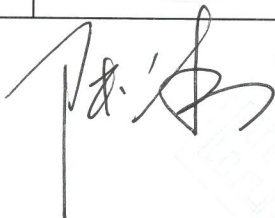
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Product name	Disposable Protective Mask	Specification	MY3N2E
		Brand	—
Client/Add/Tel	Guangzhou Biofil Air Purification Materials Co., Ltd/ Room 201, 2ND floor, workshop B, No.1 DouTang Road, YongHE Development Zone, Guangzhou City, China 511356/—		
Manufacturer/Add/Tel	Guangzhou Biofil Air Purification Materials Co., Ltd/ Room 201, 2ND floor, workshop B, No.1 DouTang Road, YongHE Development Zone, Guangzhou City, China 511356/—		
Sample grade	KN95	Sample number	GW 4414-2020
Sample quantity	60 pcs	Receiving date of sample	22/04/2020
Test type	Entrusted inspection	Article number/Batch number/Style number	—
Test date	22/04/2020~25/04/2020	Testing sites	Testing room
State	Meeting the requirements of testing		
Test standard(s)	GB 2626-2006 Respiratory protective equipment -Non-powered air-purifying particle respirator		
Test items	General requirements, appearance requirements, respiratory resistance, flammability, head harness, 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;">  </p>		
Note	<p>For the entrusted sample test, the technical responsibilities are undertaken for the test results of the supplied samples only.</p>		

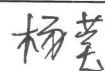
Approver:



Reviewer:



Chief Tester:



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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 $\leq 350$	Untreated	76.1	Qualified
					78.2	
			Pretreated	74.3		
				79.2		
Total expiratory resistance $\leq 250$	Untreated	65.2	Qualified			
		62.4				
Pretreated	64.0					
	61.5					

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S.No.	Test item	Unit	Technical requirements	Test result		Single item decision
4	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.	
5	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	
6	Dead space	—	$\leq 1\%$	0.09%		Qualified
7	Vision	—	View below $\geq 60^\circ$	76.8°		Qualified
8	Filter efficiency	—	$\geq 95.0\%$	Untreated	97.3%	Qualified
					97.2%	
					96.9%	
					97.4%	
					97.2%	
					96.8%	
					97.1%	
					97.1%	
				Pretreated	97.3%	
					97.2%	
					96.8%	
					96.9%	
					97.0%	
					97.2%	
96.9%						

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S.No.	Test item	Unit	Technical requirements	Test result							Single item decision	
				Subjects	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)		
9	Total inward leakage	—	TIL <11% for at least 46 exercises in 50 exercises, and TIL <8% for at least 8 of 10 subjects.	Untreated	1#	5.1	6.3	6.1	6.3	5.6	5.9	Qualified
					2#	5.6	6.5	6.5	6.5	6.0	6.2	
					3#	5.6	6.5	6.2	6.5	5.8	6.1	
					4#	5.1	6.1	6.2	6.0	5.6	5.8	
					5#	5.0	5.5	5.9	5.6	5.2	5.4	
				Pretreated	6#	4.6	5.3	5.2	5.2	4.7	5.0	
					7#	5.5	6.0	6.4	6.2	5.6	5.9	
					8#	5.7	6.6	6.7	6.4	5.9	6.3	
					9#	5.2	6.3	6.0	6.0	5.6	5.8	
					10#	4.7	5.8	5.7	5.7	5.2	5.4	
Note												

The end

