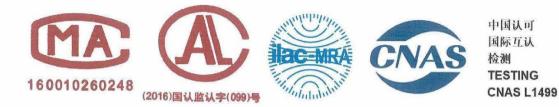
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# Test Report

Test Report No.: No.2020(H)-0840T (EN)

PRODUCT: KN95 Protective mask

APPLICANT: \_\_\_\_\_ Beconnected Shanghai Ltd

TEST TYPE: \_\_\_\_\_ Applicant Test

THE NATIONAL QUALITY SUPERVISION AND TEST CENTER FOR PERSONAL PROTECTIONEQUIPMENT(BEIJING) (北京)

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## The National Quality Supervision and Test Center fo Personal Protection Equipment(Beijing) Test Report

Page 1 of 6

Product	KN95 Protective mask	Brand	UFA							
Model	KN95 EARLOOP	Grade								
Applicant	Beconnected Shanghai Ltd	Applicant Tel.	5.1.2e							
Applicant Add.	Rm 24B/C/E/, No.1118, block A,	Changshou Road, Shanghai,	China							
Manufacturer	Dongguan Anzhong Medical equipment Techology Co., Ltd	Manufacturer Tel.								
Manufacturer Add.	Room 301, building 2, No.6 Jisanheng Road, Dongch	eng street, Dongguan City, C	uangzhou Province, Ćhina							
Sample Quantity	40	Manufactured Date	2020.04.20							
Sample Condition	Intact	Date Received	2020.07.02							
Sample Characteristic	White folding mask	Sample Deliverer								
According to	GB 2626-2006 Respiratory protective equipment - Non-powered air-purifying particle respirator									
Test items	General, Visual inspection, Filter efficiency, Inhalation resistance, Exhalation resistance, Dead space, Field of vision, Head harness, Flammability, Total inward leakage for disposable facepiece									
	The samples were tested in accordance with GB 262 airpurifying particle respirator, and data are listed in the	26-2006 Respiratory protecti test result summary.	ve equipment - Non-powere							
Conclusion	(Test report seal) (CLR) Date : $ 2020, 7.21 $									
Note	Type No.: UFA2020-	5D Batch No. :1277	17.百文月							
Approved by	5.1.2e Verified by: 5.1.2e 5.1.2e	Inspected by: 5	.1.2e							

#### **Test Report** Test Report No .: No.2020 (H)-0840T (EN) Page 2of6 Standard No. Test Item Requirement Test Result Conclusion Note Clause Material which may come in contact with the skin and filter material should be harmless for the Satisfy the requirement wearer, Material should have enough strength, and should have no damage or deformation in the nominal shelf life. All respirators should be less likely to produce All respirators are less likely to produce mechanical defect; the design, composition and mechanical defect; the design, composition and installation of respirators should not be a potential installation of respirators are not a potential hazard or cause discomfort to the wearer. hazard or cause discomfort to the wearer. 1 General 5.1 Pass The head harness shall be adjustable, and shall be The head harnesses are adjustable, and are designed so that the respirator can be donned and designed so that the respirator can be donned removed easily. The head hamess shall be and removed easily. The head hamesses are sufficiently robust to hold the respirator firmly in sufficiently robust to hold the respirator firmly in the face of wearer, in process of which the head the face of wearer, in process of which the head hamess should not cause obvious compression or hamesses don't cause obvious compression or tendemess to the wearer tendemess to the wearer. The structure of disposable facepiece should be The structures of disposable facepiece are capable of maintaining seal with the face of wearer, capable of maintaining seal with the face of and shoud not show deformation in the nominal wearer. shelf life.

#### The National Quality Supervision and Test Center for Personal Protection Equipment(Beijing) Test Report

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		5.2020 (H)-0840T			e 3of (		
No.	Test Item	Standard Clause	Requirement		Test Result	Conclusion	Note
					As received		
				1#	No damage, deformation or other obvious defect; the head harness is adjustable		
2	Visual inspection	5.2	The surface of respirators should not show damage, deformation or other obvious defect; The material and structure should be capable of withstanding normal usage condition and the condition of temperature, humidity and mechanical strength which are likely to be encountered; the head harness shall be adjustable.	2# No damage, deformation or other obvious defect; the head harness			
				Tempo	erature and humidity conditioned		
			After conditioned, the respirators shall show no signs of detachment, damage or deformation.	6#	The respirator shows no signs of detachment, damage or deformation.		
				7#	The respirator shows no signs of detachment, damage or deformation.		

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Not	Conclusion		Test Result			Requirement	Standard Clause	Test Item	No.
		Loading filter efficiency (η)	Initial filter efficiency (η)	mber	Sample nu		Clause	Filter	
			91.0 %	16#					
			90.9 %	17#		KN90≥ 90.0% KN95≥ 95.0% KN100≥ 99.97% Flow conditioning: Single filter: (85±4) L/min			
			90.9 %	18#			5.3		
		(	90.9 %	19#					
			90.8 %	20#					
			90.8 %	21#	As received				3
	-		90.8 %	22#					
	Fail (KN95)		90.8 %	23#					
			90.8 %	24#					
			90.8 %	25#					
			88.7 %	26#					
	-		88.6 %	27#					
			88.5 %	28#	Temperature and humidity conditioned				
			88.5 %	29#					
			88.6 %	30#					
		°C %	mperature: 25 numidity: 30		Re	KN: Ambient temperature: (25±5)°C Relative humidity: (30±10)			

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No.	Test Item	Standard Clause	Requirement		Те	est Result	Conclusio n	age 501 Note
	Inhalation resistance			As received	3#	182 Pa	_	
4		5.5	≤350Pa	Temperature	4# 7#	185 Pa 188 Pa	Pass	
				and humidity conditioned	8#	188 Pa		
				As received	3#	94 Pa		
	Exhalation				4#	94 Pa		
5	resistance	5.5	≤250Pa	Temperature and humidity conditioned	7#	99 Pa	Pass	
					8#	99 Pa		
6	Dead space	5.7	The carbon dioxide content of the inhalation air shall not exceed an average of 1.0 % (by volume)	As received 0.5 %			Pass	
			Temperature of the air: $(16 \sim 32)^{\circ}$ C	Tempe				
7	Field of vision	5.8	Field of vision Class of mask Half mask		Pass			
	VISION		Underneath field of vision ≥60°	4#				
	Head harness	5.9						
8			Each strap of the head harness shall withstand a pull of 10N applied for 10s in the direction	1#		Breaks		
0			of pulling, and no breaks or sliding of the straps shall occur.	Temperature and humidity conditioned			- Fail	
				8#		Breaks		
		t 5.13		1#		Burn 1s		
	Flammabilit		The respirator shall not burn or not to continue to burn for more	2#		Burn 1s		
9	У		than 5 s after removal from the flame.	Temperatu	humidity conditioned	– Pass		
				9#		Burn 1s		
				10#		Burn 1s		

lo.	Test Item	Standard Clause	Rec	luirement					Test Re	esult				Conclusion	Not
			Classif- ication	at least 8 out of the 10 individual wearer arithmetic	Sample	e No.	Testers	Stand (%)	Head Side/ side (%)	Head up/down (%)	Talk (%)	Stand (%)	Mean (%)		
				means for the total inward leakage		1#		10.94	11.41	11.45	11.26	10.78	11,2		
			KN90	< 10%	As	2#	2	11.57	11.84	12.43	11.98	11.35	11.8		
			KN95	< 8%	rece ived	3#	3	11.43	11.45	12.43	11.70	11.45	11.7		
			KN100	< 2%		4#	4	10,45	10.76	11.23	10.69	10.23	10.7		
	Total inward leakage for			at least 46 out of the 50 individual exercise		5#	5	10.52	10.79	11.43	10.85	10.21	10.8	Fail	
1	disposable facepiece	5.4.1			Tem	6#	6	9.32	9.40	10.23	9.71	9.12	9.6	(KN95)	
			Classif-		pera ture	7#	7	9.64	9.81	9.71	9.13	8.87	9.4		
			ication		and hum	8#	8	8.43	8.72	8.92	8.95	7.92	8.6		
			10.100	results for	idity con ditio ned	9#	9	9.66	9.72	10.32	10.08	9.47	9.9		
			KN90	< 13%		10#	10	10,31	10.46	10.86	10.57	10.23	10.5		
			KN95 KN100	< 11%		<u>35 out of 50 individual exercise results were not greater than 11 %</u> <u>Oout of 10 individual wearer arithmetic means were not greater than 8 %</u>									
						<u> </u>	01_10	marviaua	I wearer	annmen	e means we	re not gi		all <u>o</u> 70	
	Sample phot	to			I		C								
	Note		a) for 24	ture and humidity of the formation of th	of 38℃	and a 1	relative h	umidity	of 85%;			A A A A A A A A A A A A A A A A A A A			
				h to a temperature of					N.	4 4 A # A # D	上丰田				

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