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- 6. If there is any objection to the report, it should be submitted within 15 days from the date of receipt of the report, and it will not be accepted after the deadline.

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China Academy of Safety Science and Technology Test Report of Non-powered air-purifying particle respirator

No.: WLH0253-2020(E) Product Name Particle Filtering Half Mask Model SNN70369B Product Type Disposable Respirator (Without Valve, KN95) Manufacturer Shandong Shengquan New Materials Co., Ltd. Trade Mark 圣泉 Industry Development Zones, Diaozhen Town, Mail Address Postcode Zhangqiu, Shandong Province, China Contact Person Li Xuewei Telephone No. 15275417290 10th Mar, 2020 35 pcs of Respirators Sample Quantity **Production Date** Sample Status Intact appearance and complete packaging Sample Received 21st Apr., 2020 Test Category Type Test Arrival Mode Mailing Identification No. Shandong Shengquan New Materials Co., Ltd. Consigned by of LA mark GB 2626-2006 "Respiratory protective equipment—Non-powered air-purifying particle Test Specification respirator" General Requirements, Visual Inspection, Filter Efficiency, Total Inward Leakage, Inhalation Test Items Resistance, Exhalation Resistance, Dead Space, Visual Field, Head Harness, Flammability, Information supplied by the manufacturer, Mark Sample Photos The samples were tested according to Chinese National standard GB 2626-2006 "Respiratory protective equipment—Non-powered air-purifying particle respirator", after Test Conclusion inspection, all the test results pass the standard technical requirements. Issued date: 2020 - 04-30 ①Sample No.: WLH0253-2020 ②Record number: WLH0253-2020 Remarks Sample appearance: C-shaped folding type facepiece, with built-in nose clip and white ear straps. Approval: Auditor

China Academy of Safety Science and Technology Test Report of Non-powered air-purifying particle respirator No.: WLH0253-2020(E) Test Result Summary

ding.		Test Result Summar	rv and	(5)	21
No.	Test Items	Standard Requirements	Test Results	Assessment	Remark
4	rest tems	Parts that may directly contact wearer's face shall not be harmful to skin; Filter material shall not be harmful to people;	Filter material and parts directly contact face are not harmful	SHE	
	Wealthet .	Materials used should have sufficient strength, and there shall be no damage or distortion in the normal life cycle.	Materials used have sufficient strength		11
The American	b	Structural design should conform to: a) structural disaggregation shall not likely occur, and the design, components and assembly shall not be harmful to the user;	HECHAN A	SHERECH!	25 ⁻¹
	General	b) The head harness should be adjustable, convenient for wearing and removal, be able to fix the facepiece on wearer's face securely without apparent pressure and hurt feeling; the head harness design of the	Meet the requirements		
1	Requiremen ts	replaceable half facepiece and full facepiece should be replaceable; c) There shall be relatively small dead space and bigger visual field as much as possible;	ALECUAL A	Pass Sugar	10 to
	Weatiner .	d) the visor of full facepiece shall not fog and affecting vision when in use; e) replaceable filter elements, valves and head harness shall be facilitating for replacement and facial seal check during	Mealfiber	**	1
Jama .	» **	use. f) breathing hose shall not limit head and body movement, shall not affect face seal or limit and block air flow.	1 mg/r	Shengah	Stary (2)
	M sper	g) Disposable facepiece shall provide proper face seal, shall not deform during normal use.	Provide proper face seal, and do not easy to deform	49	41
hing	MERIT	The sample surface shall not be damaged, deformation, or with other obvious defects	No damage, deformation and other obvious defects	6	
2	Visual Inspection	the component materials and structure should be able to stand normal use conditions and possible temperature, humidity and mechanical impact that may	Meet the requirements	Pass Coll	* 1
	May .	encounter	Mil :		A

China Academy of Safety Science and Technology Test Report of Non-powered air-purifying particle respirator WLH0253-2020(E) Test Result Summary

No.: WLH0253-2020(E)

Diling			Test Result Summar	y political			3/ /
No.	Test Items		Standard Requirements	Test Re	sults	Assessment	Remark
2 Visual Inspection	St.	head har	harness should be adjustable; the ness design of the replaceable should be replaceable.	After pretreatment, no fall off, damage and deformation		SHE W	Œ a
	40	1960	ass of full facepiece shall not be t affect the vision when wearing.			Pass SHENGHAN	Leo
	*	and mech	nperature and humidity pretreatment nanical strength pretreatment, the ents shall not fall off, be damaged or tion.				*
			≥90.0% (KN90)	/			
	All net		1/1 ser	As Rece	eived		181
	A CERTIFIE	dir.	Keelfil W	99.1%	98.9%		Neb
	10		An W	99.0%	99.3%		Ma.
Deling	♦		Diguard (S)	99.4%	99.0%	S COURT	45
			≥95.0% (KN95) KN	99.3%	98.8%	CHEET IN	
		KN		99.2%	99.1%		
180	MA &			Humidity	Mechanical Strength Conditioning		AR
	Billion	7073.5		99.2%	Hill / W		
,	Filter		AND W	98.4%	* 1	Pass	ME
3	Efficiency		D CHAPT S	98.5%	/		
			SHENGS # SHEN	99.1%	1	SHEMECHIAN	
A ST		4	4/	98.7%	1	49	
	A .		≥99.97% (KN100)	131	1		AF O
	Wealthe.	÷	Ambient temperature: (25±5)°C; Relative humidity: (30±10)%	25°C 35%			*Kesi
	120	≥9 KP	≥90.0% (KP90)	No.		6	15
Defend	6		≥95.0% (KP95)	CHAN /		Sange Children	
			≥99.97% (KP100)	* /		SHE W	
		Ambient temperature: (25±5)ºC;	1				

China Academy of Safety Science and Technology Test Report of Non-powered air-purifying particle respirator No.: WLH0253-2020(E) Test Result Summary

Caliny		(Q) Poliny	Test Result Summary	Carloy			lang
lo.	Test Items	Standard Re	equirements	Test R	esults	Assessment	Remark
		When TIL of each action is taken as	<13% (KN90/KP90)	* /	1	SHE W	V
A.	Total Inward	basis of evaluation (10 people x 5 actions), TIL of at	<11% (KN95/KP95)	TIL values actions are 11.0%			A
	Leakage	least 46 actions of the 50	<5% (KN100/KP100)	Talifitat w		_	L/NI05
l-1	(TIL) (Disposable	When the overall TIL of a person is taken	<10% (KN90/KP90)		1 10	Pass	KN95
To Tally	Respirator)	as basis for evaluation, the total TIL of at least 8	<8% (KN95/KP95)	Overall TII all 10 subje than 7.8%		SHEMECLUR	144- 121-
		people of the 10 subjects	<2% (KN100/KP100)	,	1	44	
1-2	Inward Leakage (IL)	When the IL of each ac of evaluation (that is, 1 actions), the IL of at lea 50 actions <5%.	10 people x 5	111	alfiber .	Hitter .	
Bring	(Replaceable Half facepiece Respirator)	when the overall IL of a basis for evaluation, the people of the 10 subjections.	e total IL of at least 8	Jamas Alle	(A)	6	
1-3	Inward Leakage (IL) (Replaceable Full facepiece Respirator)	When the IL of each ac of evaluation (that is, actions), the IL of each	* * /	′	SHENGE R	* /	
5	Inhalation	the total inhalation res	sistance of each	As Received	Temperature and Humidity Conditioning	Pass	
	Resistance	sample ≤350 Pa	pic 2550 i d	54 Pa 58 Pa		My.	
Samp Comment	Exhalation	SHENE CUPIN	SHEIM	As Received	Temperature and Humidity Conditioning	SHEWEGLIN	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c
6	Resistance	the total exhalation resistance ≤250 Pa		58 Pa	52 Pa	Pass	/.
	M :	Ai-		58 Pa	55 Pa		A
	Wedfill	a) When the air extracting velocity of flow reaches 500 mL/min, the system negative pressure cannot reach 1180 Pa; Exhalation Valve Air-Tightness b) The time for restoration of the exhalation valve to normal pressure is less than 20s.		1,14	A Reconstitution of the second		144
7				As Received	Temperature and Humidity Conditioning	9 COUR	E
	Air-Tightness			*/	/	SHEMIN M.	
	Ra	Normal temperature, r		-	/		10



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140	WLH0253-2020	J(E)		Test Result Summar	100	6	5/
NIO.	Tost Itams		Standar		Test Results	Assessment	Remark
8 Exhalation Valve Cap		Valve Cap The exhalation valve cap of		lve cap of the disposable cted to an axial tensile 0 seconds, and should and distort.	/ /	Assessment	Kelliaik
20,000	Dead Space	axial tensil and should When expo carbon dio	e force d not sli ressed a oxide in	of 50N for 10 seconds, de, break and distort. as the volume fraction of the inhaled air, the he results should be	0.38%	Pass	
		≤1% Ambient te	empera	ture: (16~32)°C;	25℃	CHEMICAN IN	*
	Ra.	Disposable half facepi		Down direction visual field≥60º	71°	48/	S.
	Hiber	Si	ngle	Total visual field≥70%	MI stitlet		
10	Visual Field	Full face-	sor	Overlapped visual field≥80%	N. Carrier St.	Pass	140
taling.	,	188	win	Total visual field≥70%	C Palmy 1	6	fund (B)
4-		Eng.	sor	Overlapped visual field≥20%	* /	SHE MILE	4
	Mari sper	adjustable co facepiece sho		s, buckling and other ments of the disposable not slip or break when it ensile force of 10N for	10N tensile force pulling for 10s without slippage or break	99-	
Head Harness		Head Harness adjustable comp half facepiece sh when it is subject 50N for 10s.	compo ece sho subject	s, buckling and other ments of the replaceable buld not slip or break ed to a tensile force of	URI MERCHINA	Pass	AME
	(Ca	adjustable facepiece :	compo should	s, buckling and other ments of the full not slip or break when it ensile force of 150N for	* /	SHETTE IN	4
	Connection	between t and the ha slide, brea	he repla If facep k or dis	ns and connecting parts acceable filter element biece should not be no tortion when subjected force of 50N for 10s.	What there		140
12	and	between t and the fu breathing the full fac	he repla Il facep hose ar cepiece	nd connection parts aceable filter element iece, and between the nd the filter element and should not be no slide, n when subjected to an	direct to	Shift the	**
	da.			of 250N for 10s.	180		di



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War.		Test Result Summary	Colony			M .
lo.	Test Items	Standard Requirements	Test	Results	Assessment	Remark
visor		After each sample is impacted by a steel ball, No eyeglass of the sample shall be broken or in crack; Tested by the air tightness of the sample	- CO	1	SHEET OF	Jee.
	(Full facepiece)	after the impact of the steel ball, the negative pressure drop in each sample within 60s should not be greater than 100Pa	1	Alfiber .		111
4	Air Tightness (Full facepiece)	The negative pressure drop in each sample within 60s should not be greater than 100Pa	Mary V	ĵ	(B) OUAL	1
dir-		After being removed from the flame,	As Received	Temperature and Humidity Conditioning	CHEMICA IN	k-
.5	Flammability	Various parts exposed to the flame should not burn; if burned, the after burning time should not exceed 5s.	0.9s	0.6s	Pass	1
	111 3	/// 05	0.9s	0.4s		118
	A. Kezalfili	Such information should be supplied along with the minimum package for sales;	NAC	Alfilia W		Me
	**	There shall be Chinese explanation. The information should be clear, and help explanations such as explanations, part	Stary (1)	89	G GUAR	*
Alberra	į.	numbers, and labels can be added.	Informat	tion	SHE!	
	Wealther .	Include the following information that users must know: a) Scope of application and restriction; b) For replaceable filter elements, there should be explanations on the method for use together with full or half facepiece, and if multiple filer materials, there	provided Chinese, explaine and supp the mini- package	I in d clearly, blied with mum		ske N
.6	Information supplied by the manufacturer	should be indications; c) Method of assemblage of the replaceable facepiece; d) Method of inspection before use; e) Method of wearing and method of inspection of the wearing air tightness;		d in the	Passed Line	*,
	Wealther	f) Suggestions as to when to replace the filter elements; g) If applicable, the method of maintenance (for instance, method of cleaning and sterilization); h) Methods of storage; i) Meaning of any of the symbols and icons used;	users	alfiller .	6	1200
		Provide warnings about problems that may be encountered during use, such as: a) Adaptability b) Hair under the close frame can cause the mask to leak c) Air quality (pollutants, hypoxia, etc.)	Some rewarning informat	s tion	SHEWELLIA	, \$

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15 day	(2) Poliny	Test Result Summar	1 Bring		,,,,		
No. Test Items	Standard 1	Requirements	Test Results	Assessment	Remark		
aner .	The product body should have the product name, trademark or other manufacturer's identification, type or model (if applicable), implementation standard and year number, filter element filter grade		Mark and related information meet the requirements	5 th #	41		
17 Mark	Product packaging product name, train manufacturer-iden model number (if a implementation st number, filter elem product license nu date, or production	should have the demark, or other atifiable label, type or applicable), andard and year ment filter grade, mber, production a batch number, aformation provided manufacturer's	Product packaging meet the requirements	Pass SHEGUA	P. P		
alfili	Equipment No.	Equipment Name		Verification I	Period		
ALC: W	2010072S	High and Low Temperature Humidity Test Chamber SH-641		2020.04.18~2021.04.			
New W	GJ-SB353	TSI8130 Filtration Efficiency Tester		Mig Cha	4		
	GJ-SB413	Inward leakage test cabin		SHE 19			
	GJ-SB369	TSI9306A Aerosol Go	/	47			
All of	GJ-SB371 TSI8587A Aerosol Photometer			1			
Main Test Equipment	GJ-SB372	TSI8587A Aerosol Ph	/	漳			
10	GJ-SB415	Breathing Resistance	2020.02.14~202	21.02.13			
AT (I)	GJ-SB505	Microcomputer Controlled Universal Testing Machine				2020.04.18~202	21.04.17
	GJ-SB380	INSPEC Apertometer	S. A. B.				
e.	GJ-SB417	Dead Space Test Device 2020.02.17		2020.02.17~202	21.02.10		
wex.	GJ-SB381	Face Mask Flammabi	2020.02.03~202	21.02.02			

Test Period: Apr 21 2020 ~ Apr 30, 2020

End of Test Report.

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Card Filter

Wealther .

Weelfiller .

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