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Certificate of Conformity

Certificate Number: XWSC2003030201

Applicant :	Zhongshan xinmeite household technology co., ltd.		
	402# Donghai 5th Road , Yongyi Village, Dongfeng Town, Zhongshan City		
Manufacturer :	Zhongshan xinmeite household technology co., ltd.		
	402# Donghai 5th Road , Yongyi Village, Dongfeng Town, Zhongshan City		
Product :	Protective Mask		
Model No. :	KN95		
Trade Mark :	ROYALGODDESS		
Test Standards :	EN 149:2001+A1:2009		
Test Report No. :	XWSR2003030201		

Date Of Issue: 2020/03/11

The sample described aboved has been tested by us with the listed standards and found in conformity with the standards : EN 149:2001+A1:2009.This certificate is part of the full test reports and should be read in conjunction with report NO.: XWSR2003030201.





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Shenzhen XinWei Certification Service Co.,Ltd

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Address: 5th Floor, Xusheng R&D Building, Gonghe Industrial Road, Xixiang Street, Baoan District, Shenzhen Email: service@xwcert.com www.xwcert.com

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TEST REPORT			
EN 149:2001+A1:2009			
Respiratory protective devices — Filtering half masks to protect against particles —			
Requirements, testing, marking			
Report Number XWSR2003030201			
Date of issue Mar. 11, 2020			
Total number of pages 10			
Applicant			
Name: Zhongshan xinmeite household technology co., ltd.			
Address			
Town, Zhongshan City			
Test specification			
Standard EN 149:2001+A1:2009			
Test procedure CE Certification			
Procedure deviation N/A			
Non-standard test method N/A			
Test item description			
Product description Protective Mask			
Trade Mark			
Model/Type reference: KN95			
Manufacturer			
Name Zhongshan xinmeite household technology co., ltd.			
Address 402# Donghai 5th Road , Yongyi Village, Dongfeng			
Town, Zhongshan City			
Testing laboratory			
Name Shenzhen XinWei Certification Service Co.,Ltd			
Address 501,5th Floor,Xusheng R&D Building,Gonghe			
Industrial Road, Xixiang Street, Baoan District, Shenzhen			





Test	case	verdicts	

Trusted Partner

Test item does not meet the requirement	F(Fail)	
Test item does meet the requirement:	P(Pass)	
Test case does not apply to the test object	N(N/A)	

Copy of marking plate:

Protective Mask

Model: KN95

Testing procedure and testing location:

EN 149:2001+A1:2009

FFP2

MADE IN CHINA

CE

Zhongshan xinmeite household technology co., ltd. 402# Donghai 5th Road , Yongyi Village, Dongfeng Town, Zhongshan City

The markings above may be only a draft.For the final production samples,the additional markings which do not give rise to misunderstanding may be added.

Testing Laboratory	:	Shenzhen XinWei Certification Service Co.,Ltd
Address	:	501,5th Floor,Xusheng R&D Building,Gonghe
Indu	strial F	Road, Xixiang Street, Baoan District, Shenzhen
Date of Test	i	Mar. 03, 2020 to Mar. 11, 2020
		D



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	EN 149		
Clause	Requirement+Test	Result-Remark	Verdict

5	Classification		Р
	Particle filtering half masks are classified according to their filtering efficiency and their maximum total inward leakage. There are three classes of devices: FFP1, FFP2 and FFP3.	FFP2	Ρ
6	Designation		Р
	Particle filtering half masks meeting the requirements of this European Standard shall be designated in the following manner: Particle filtering half mask EN 149, year of publication, class, option.		Р
7	Requirements		Р
7.1	General		р
	In all tests all test samples shall meet the requirements.		Р
7.2	Nominal values and tolerances		Р
	Unless otherwise specified, the values stated in this European Standard are expressed as nominal values. Except for temperature limits, values which are not stated as maxima or minima shall be subject to a tolerance of \pm 5 %. Unless otherwise specified, the ambient temperature for testing shall be (16 - 32) °C, and the temperature limits shall be subject to an accuracy of \pm 1 °C.		Ρ
7.3	Visual inspection RECO		Р
	The visual inspection shall also include the marking and the information supplied by the manufacturer.		Ρ
7.4	 Packaging		Р
	Particle filtering half masks shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use. Testing shall be done in accordance with 8.2.		Ρ
7.5	Material		Р

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	EN 149		
Clause	Requirement-Test	Result-Remark	Verdict

	Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used. After undergoing the conditioning described in 8.3.1 none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps. Three particle filtering half masks shall be tested. When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse. Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer. Testing shall be done in accordance with 8.2.	No mechanical failure of the facepiece or straps. Not constituted a hazard or nuisance for the wearer.	Ρ
7.6	Cleaning and disinfecting		Р
	If the particle filtering half mask is designed for to be re-usable, the materials used shall withstand the cleaning and disinfecting agents and procedures to be specified by the manufacturer. Testing shall be done in accordance with 8.4 and 8.5. With reference to 7.9.2, after cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class. Testing shall be done in accordance with 8.1.1.		Ρ
7.7	Practical performance		Р
	The particle filtering half mask shall undergo practical performance tests under realistic conditions. These general tests serve the purpose of checking the equipment for imperfections that cannot be determined by the tests described elsewhere in this standard. Where practical performance tests show the apparatus has imperfections related to wearer's acceptance, the test house shall provide full details of those parts of the practical performance tests which revealed these imperfections. Testing shall be done in accordance with 8.4.		Ρ





EN 149				
Clause	Requirement-Test	Result-Remark	Verdict	

7.9	Leakage		Р
7.9.1	Total inward leakage		Р
	The laboratory tests shall indicate that the particle filtering half mask can be used by the wearer to protect with high probability against the potential hazard to be expected. The total inward leakage consists of three components: face seal leakage, exhalation valve Leakage (if exhalation valve fitted) and filter penetration. For particle filtering half masks fitted in accordance with the manufacturer's information, at least 46 out of the 50 individual exercise results (i.e.10 subjects x 5 exercises) for total inward leakage shall be not greater than 11 % for FFP2 and, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than 8 % for FFP2	50 results ≤ 11% 10 averages ≤ 8%	Ρ
7.9.2	Penetration of filter material		Р
	The penetration of the filter of the particle filtering half mask shall meet the requirements of Table 1.	Sodium chloride 95I/min: Max:2.5% Paraffin oil test:95I/m: Max:3.62%	Ρ
Table 1 — Penetration of filter material			
Classification A1 Maximum penetration of test aerosol (A1			

	Classification	Maximum penetration of test aerosol		
		Sodium chloride test 95 l/min	Paraffin oil test 95 l/min	
		%	%	
L		max.	max.	
Г	FFP1	20	20	
	FFP2	6	6	
L	FFP3	1	1	

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	EN 149		
Clause	Requirement-Test	Result-Remark	Verdict

7.10	Compatibility with skin		Р
	Materials that may come into contact with the wearer's skin shall not be known to be likely to cause irritation or any other adverse effect to health. Testing shall be done in accordance with 8.4 and 8.5.	The materials would not cause irritation or any other adverse effect to health	Ρ
7.11	Flammability		Р
	The material used shall not present a danger for the wearer and shall not be of highly flammable nature. When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5 s after removal from the flame. The particle filtering half mask does not have to be usable after the test. Testing shall be done in accordance with 8.6.	After removal from the flame, the sample could not burn and could not continue to burn	Ρ
7.12	Carbon dioxide content of the inhalation air		Р
	The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume). Testing shall be done in accordance with 8.7.	0.6% (by volume)	Р
7.13	Head harness		Р
	The head harness shall be designed so that the particle filtering half mask can be donned and removed easily. The head harness shall be adjustable or self- adjusting and shall be sufficiently robust to hold the particle filtering half mask firmly in position and be capable of maintaining total inward leakage requirements for the device. Testing shall be done in accordance with 8.4 and 8.5.	The head hamess can be donned and removed easily. Enough robust to hold the particle filtering half mask firmly in position and be capable of maintaining total inward leakage requirements for the device.	Ρ

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EN 149				
Clause	Requirement-Test	Result-Remark	Verdict	

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	7.14	Fie	ld of vision				Р	
Th def per Te		The dete perf	The field of vision is acceptable if determined so in practical performance tests. Testing shall be done in accordance				Ρ	
		with	18.4.					
	7.16	Bre	eathing resistance	EKŢ	17,		P	
Th val hal rec Te wit		The valv half requ Tes with	breathing resistances apply to ad and valveless particle filtering masks and shall meet the rements of Table 2. ng shall be done in accordance 8.9.		Ρ			
	X		Table 2	2 — Breat	hing resistanc	e		
	Classificatio	on	Maximu	um permitt	mitted resistance (mbar)			
			inhalation		exhalat		ation	
	*		30 I/min	98	5 I/min 160 I/mi		l/min	
	FFP1		0,6		2,1 3,		,0	
	FFP2	G	0,7		2,4 3,		,0	
	FFP3	C	1,0		3,0 3,		,0	
•	7.17	Clo	aging				P	
	7.17.1	Gei	heral					
For single shift use de clogging test is an optional usable devices the test is Devices designed to be clogging, shown by a slow breathing resistance w with dust, shall be subjut treatment described in 8. The specified breathing re shall not be exceeded be required dust load of 833 is reached.		single shift use device gging test is an optional test ble devices the test is many vices designed to be rest gging, shown by a slow include athing resistance when a dust, shall be subjected atment described in 8.10. The specified breathing resist I not be exceeded before uired dust load of 833 mg. eached.	es , the st.For re- indatory. istant to crease of loaded d to the tances the h/m3	Mean Part (MP	icle Size S)	Ρ		

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EN 149					
Clause	Requirement-Test	Result-Remark	Verdict		

7.17.2	Breathing resistance		Р
7.17.2.1	Valved particle filtering half masks		Ν
	After clogging the inhalation resistances shall not exceed FFP1: 2.1 mbar FFP2: 2.4 mbar FFP3: 3 mbar at 95 l/min continuous flow; The exhalation resistance shall not exceed 3 mbar at 160 l/min continuous flow. Testing shall be done in accordance with 8.9.		N
7.17.2.2	Valveless particle filtering half masks	74	Р
	After clogging the inhalation and exhalation resistances shall not exceed FFP1: 2.1 mbar FFP2: 2.4 mbar FFP3: 3 mbar at 95 l/min continuous flow. Testing shall be done in accordance with 8.9	inhalation resistance: 2.28mbar exhalation resistance: 2.32mbar Comply with FFP2 requirement	Ρ
7.17.3	Penetration of filter material		Р
	All types (valved and valveless) of particle filtering half masks claimed to meet the clogging requirement shall also meet the requirements given in 7.9.2, for the Penetration test according to EN149, after the clogging treatment. Testing shall be done in accordance with 8.11 using EN149.	NITIO	Ρ
7.18	Demountable parts		Р
	All demountable parts (if fitted) shall be readily connected and secured, where possible by hand. Testing shall be done in accordance with 8.2.	All demountable parts could be readily connected and secured	Ρ
8.2	Visual inspection		

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	EN 149		
Clause	Requirement-Test	Result-Remark	Verdict

	The visual inspection is carried out where		
	appropriate by the test house prior laboratory or		
	practical performance tests		
8.3.1	Simulated wearing treatment		
	A breathing machine is adjusted to 25 cycles/min and 2.0l/stroke, the saturator being set at a		
	saturated at (37+/-2)°C at the mouth of the dummy head.		
	During the test time at appro.20 min intervals the particle filter half mask shall be completely removed from the dummy head and refitted such that during the test period it is fitted ten times to the dummy head.	7710 74	
8.3.2	Temperature conditioning	*	
	 Expose the masks to the following thermal cycle: a) for 24h to a dry atmosphere of (70+/-3)°C b) for 24h to a dry atmosphere of (-30+/-3)°C and allow to return to room temperature for at least 4h between exposures and prior to subsequent testing. The conditioning shall be carried out in a manner 		







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