

Test Report **SL52105232408801TX**
XIAN TAO HUA XIA GARMENTS CO.,LTD
NO.1 TEXTILE ROAD,INDUSTRIAL PARK,XIAN TAO CITY,HU BEI PROVINCE

Date:February 23,2021

Page 1 of 6

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)Particle filtering half mask

Sample Color : (A)White

Style No. : HX0007

Retest : No

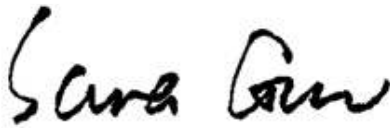
Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Feb 05, 2021

Testing Period : Feb 05, 2021 - Feb 23, 2021

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center



Sara Guo (Account Executive)

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Test Result

Personal Protective Equipment - Respiratory Protective Devices- Filtering Half Masks to Protect against Particles- Requirements, Testing, Marking

EN 149:2001+A1:2009

Clause 7.9.2 Penetration of Filter Material

(EN 149:2001+A1:2009, Clause 8.11 & EN 13274-7:2019)

Test Requirement			Results	Comment
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table.			Detail refer to Appendix 1	Meet FFP1, Meet FFP2, Meet FFP3
Classification	Maximum penetration of test aerosol			
	Sodium chloride test 95 l/min	Paraffin oil test 95 l/min		
	%	%		
	max.	max.		
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 1: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)
Sodium chloride test	As received	1	0.402
		2	0.359
		3	0.415
	Simulated wearing treatment	4	0.397
		5	0.386
		6	0.415
	Mechanical strength + Temperature conditioned	7	0.753
		8	0.691
		9	0.685
Paraffin oil test	As received	10	0.576
		11	0.654
		12	0.751
	Simulated wearing treatment	13	0.597
		14	0.585
		15	0.613
	Mechanical strength + Temperature conditioned	16	0.910
		17	0.867
		18	0.879

Flow conditioning: Single filter: 95.0 L/min



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Clause 7.11 Flammability

(EN 149:2001+A1:2009, Clause 8.6)

Test Requirement	Results	Comment
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.	Detail refer to Appendix 2	Pass

Appendix 2: Summarization of Test Data

Flammability

Condition	Sample No.	Result
As received	1	NIL
	2	NIL
Temperature conditioned	3	NIL
	4	NIL



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Clause 7.16 Breathing Resistance

(EN 149:2001+A1:2009, Clause 8.9)

Test Requirement				Results	Comment
The breathing resistances apply to valved and valveless particle filtering half masks and shall meet the requirements of the following table.				Detail refer to Appendix 3	Meet FFP1, Meet FFP2, Meet FFP3
Classification	Maximum permitted resistance (mbar)				
	Inhalation		Exhalation		
	30 l/min	95 l/min	160 l/min		
FFP1	0.6	2.1	3.0		
FFP2	0.7	2.4	3.0		
FFP3	1.0	3.0	3.0		

Appendix 3: Summarization of Test Data

Breathing resistance (mbar)

	Flow rate(l/min)	1					2					3					
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
As received	Inhalation	30	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.2
		95	1.0	1.1	1.1	1.1	1.0	1.0	1.1	1.0	1.0	1.0	1.1	1.1	1.0	1.1	1.1
	Exhalation	160	1.9	1.9	1.9	1.9	1.8	1.8	1.9	1.8	1.8	1.9	1.9	1.8	1.9	1.9	1.9
Simulated wearing treatment	Inhalation	30	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.2
		95	1.1	1.0	1.1	1.1	1.1	1.0	1.0	1.1	1.0	1.0	1.0	1.1	1.0	1.1	1.1
	Exhalation	160	1.9	1.9	1.8	1.8	1.9	1.9	1.8	1.8	1.9	1.9	1.9	1.8	1.9	1.8	1.8
Temperature conditioned	Inhalation	30	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.2
		95	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.1	1.1	1.0	1.0	1.0	1.0
	Exhalation	160	1.8	1.9	1.8	1.8	1.9	1.9	1.8	1.8	1.8	1.9	1.8	1.9	1.9	1.8	1.8

A: facing directly ahead; B: facing vertically upwards; C: facing vertically downwards; D: lying on the left side; E: lying on the right side

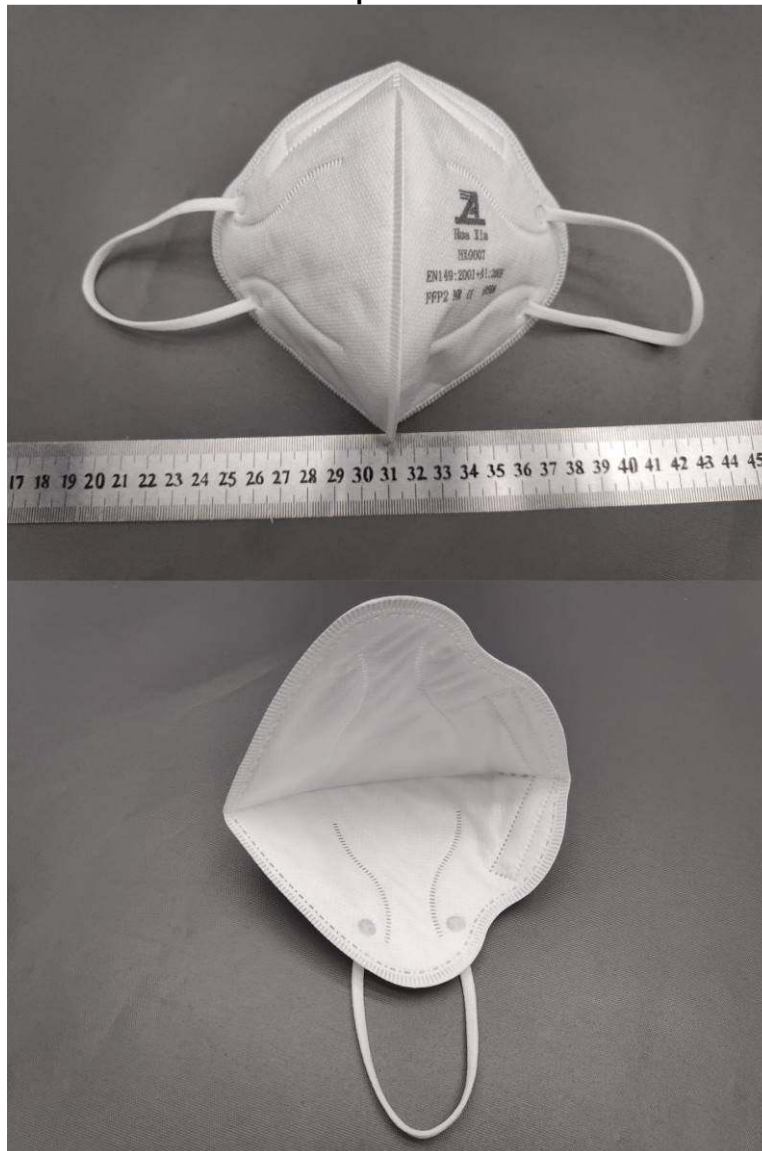


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Sample Photo



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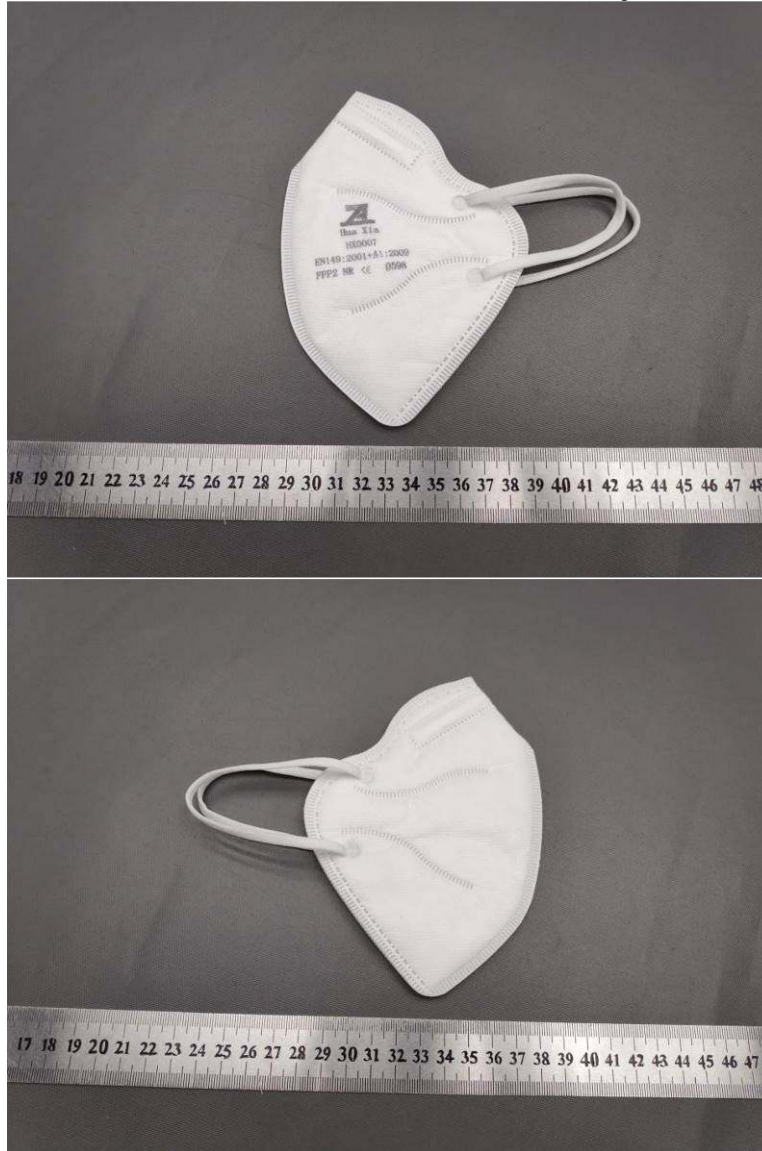
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End of Report



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