

Test Report **SL52105221937501TX** **Date: February 04, 2021** **Page 1 of 5**
QINGDAO JUNHAOYUJIA MEDICAL TECHNOLOGY CO., LTD
1 LONGQUANHE 1ST ROAD, JIMO DISTRICT, QINGDAO, SHANDONG PROVINCE, CHINA.

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

Sample Description : (A)Protective Face mask

Sample Color : (A)White

Style No. : KY2020777

Manufacturer : QINGDAO JUNHAOYUJIA MEDICAL TECHNOLOGY CO., LTD

Supplier : HENAN YITAI NEW MATERIAL TECHNOLOGY CO.,LTD

Retest : No

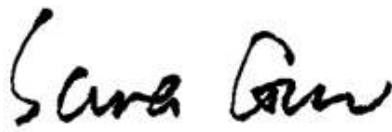
Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Jan 29, 2021

Testing Period : Jan 29, 2021 - Feb 04, 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

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	No Comment
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 (%)
Paraffin oil test	As received	1	0.112
		2	0.165
		3	0.157
	Simulated wearing treatment	4	0.135
		5	0.146
		6	0.118
	Mechanical strength + Temperature conditioned	7	0.358
		8	0.475
		9	0.542
Flow conditioning: Single filter: 95.0 L/min			



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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 2	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 2: Summarization of Test Data

Breathing resistance (mbar)

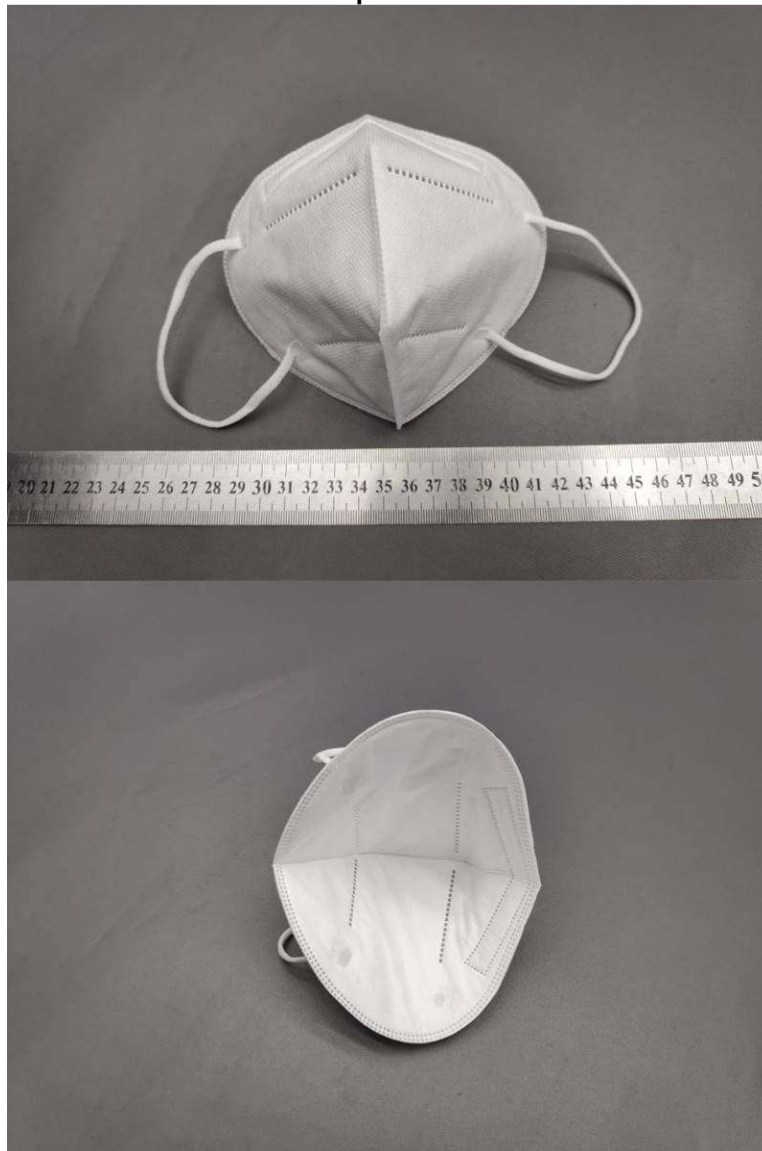
As received	Flow rate(l/min)	1					2					3					
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
As received	Inhalation	30	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.3
		95	1.1	1.0	1.1	1.1	1.1	1.0	1.1	1.0	1.0	1.0	1.1	1.0	1.1	1.1	1.1
	Exhalation	160	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.8	1.8
Simulated wearing treatment	Flow rate(l/min)	4					5					6					
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
	Inhalation	30	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.3
95		1.1	1.1	1.0	1.0	1.1	1.1	1.0	1.1	1.1	1.1	1.0	1.0	1.1	1.0	1.0	
Exhalation	160	1.7	1.8	1.7	1.7	1.8	1.7	1.7	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	
Temperature conditioned	Flow rate(l/min)	7					8					9					
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
	Inhalation	30	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.2
95		1.1	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.1	1.0	1.1	1.1	1.0	1.0	
Exhalation	160	1.8	1.7	1.7	1.7	1.8	1.8	1.7	1.8	1.7	1.7	1.7	1.8	1.8	1.7	1.7	

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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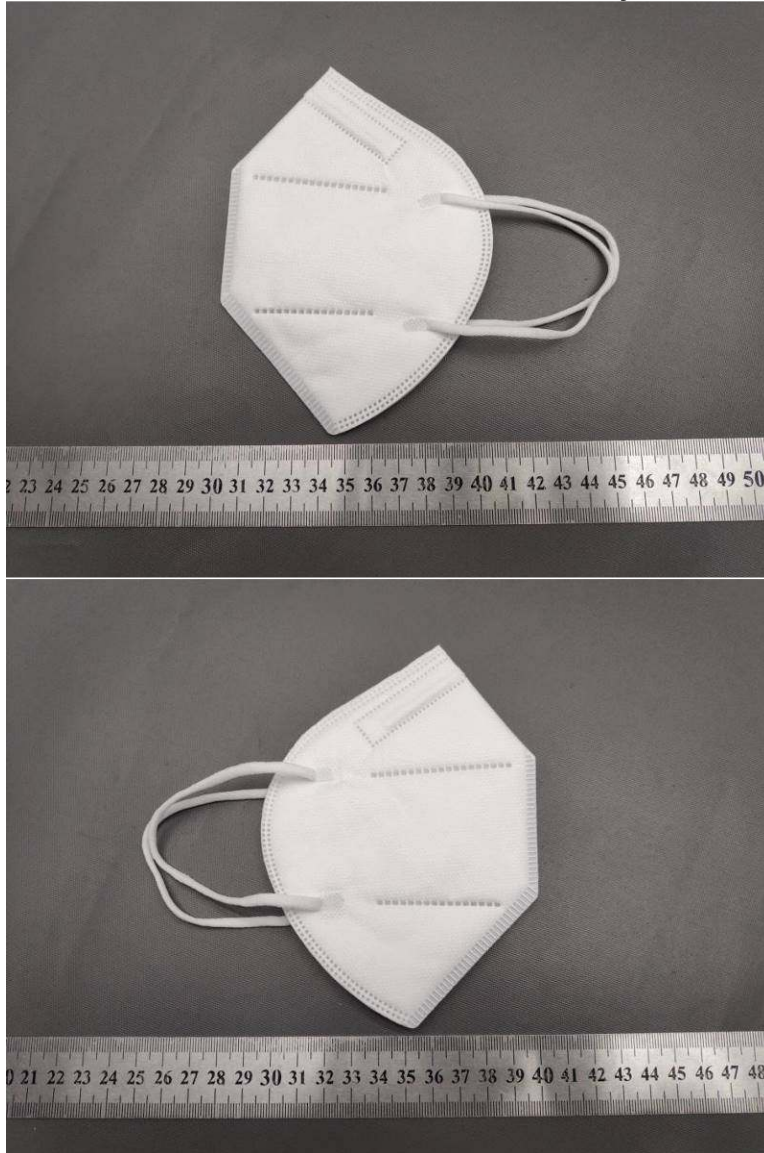
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End of Report



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