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TEST REPORT

Particulate respirator-half facepiece

EN 149: 2001 +A1: 2009 Respiratory protective devices — Filtering half masks to protect against particles —
Requirements, testing, marking

Product:

Particle filtering half mask

Report No:

2020 (D) - 0603

Client:

ZHEJIANG YINGHUA TECHNOLOGY CO., LTD.

Model (s):

RM201

Date(s) of tests:

2020.04.01-2020.05.10

DESCRIPTION OF SAMPLES

General Information

Classification

Main Components

Manufacturer

FFP2 NR

White folding mask

Manufacturer Address

ZHEJIANG YINGHUA TECHNOLOGY CO., LTD.

Jinshan Avenue, Xiaoshun Town, Jinhua, Zhejiang

Signed:

Issued: 2020.5.10

陈倬为 Chen Zhuowei

Authorized Signatory, Lab Director

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国家劳动防护用品质量监督检验中心(北京)

Conditions:

The test results presented in this report relate to the samples tested only.

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Test Results

7.12 Carbon dioxide content of the inhalation air

Pass¹

The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1.0 % (by volume)

Note1: Test results are shown in Annex A Table 7.12.

7.16 Breathing resistance

Pass²

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

Note2: FFP2 respirator. Test results are shown in Annex A Table 7.16.

End of Test Results

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Annex A: Summarization of Test Data**Table 7.12 Carbon dioxide content of the inhalation air**

Test specification: EN 149-2001 Clause 8.7

Condition	Sample No.	Result		Assessment
As received	10	0.43%	Mean value 0.4%	Pass
	11	0.42%		
	12	0.42%		

Table 7.16 Breathing resistance (mbar)

Test specification: EN 149-2001 Clause 8.9

As received	Flow rate		36					37					38				
			A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
	Inhalation	30 l/min	0.4	0.5	0.6	0.6	0.5	0.4	0.6	0.6	0.4	0.5	0.4	0.5	0.6	0.5	0.5
		95 l/min	1.4	1.5	1.6	1.4	1.5	1.5	1.4	1.6	1.5	1.6	1.4	1.5	1.6	1.5	1.5
	Exhalation	160 l/min	1.6	1.7	1.7	1.7	1.6	1.8	1.6	1.8	1.8	1.7	1.6	1.7	1.9	1.7	1.7
Simulated wearing treatment	Flow rate		39					40					41				
			A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
	Inhalation	30 l/min	0.5	0.6	0.6	0.6	0.5	0.4	0.4	0.6	0.5	0.6	0.4	0.5	0.6	0.6	0.5
		95 l/min	1.4	1.5	1.6	1.4	1.4	1.4	1.5	1.6	1.4	1.6	1.4	1.6	1.6	1.6	1.4
	Exhalation	160 l/min	1.7	1.7	1.9	1.8	1.7	1.7	1.8	1.9	1.7	1.8	1.7	1.7	1.9	1.7	1.8
Temperature conditioned	Flow rate		42					43					44				
			A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
	Inhalation	30 l/min	0.5	0.5	0.6	0.5	0.6	0.5	0.6	0.6	0.5	0.4	0.4	0.5	0.6	0.6	0.6
		95 l/min	1.5	1.6	1.7	1.5	1.6	1.5	1.5	1.6	1.6	1.4	1.6	1.5	1.6	1.5	1.5
	Exhalation	160 l/min	1.6	1.7	1.9	1.6	1.7	1.6	1.8	1.9	1.8	1.8	1.6	1.7	1.8	1.6	1.6
Flow conditioned	Flow rate		45					46					47				
			A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
	Inhalation	30 l/min	0.5	0.5	0.6	0.6	0.5	0.4	0.6	0.6	0.5	0.5	0.4	0.5	0.6	0.5	0.4
		95 l/min	1.5	1.6	1.6	1.5	1.6	1.6	1.6	1.7	1.5	1.5	1.4	1.6	1.7	1.4	1.5
	Exhalation	160 l/min	1.6	1.8	1.9	1.7	1.6	1.6	1.7	1.9	1.7	1.6	1.6	1.7	1.9	1.7	1.8
Assessment	Pass																

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

End of Annex A

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ANNEX B PHOTOS OF SAMPLES



End of Annex B

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