

Report No.: S21031704002E



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Test Report

Applicant: Address: Wenzhou Jiada Technology Co., Ltd No.401, Building 19th, Rainbow Wisdom Park, Longgang City, Cangnan Area, Wenzhou City, Zhejiang Province, China.

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

Product name:	FILTERING HALF MASK
Model:	JD-99(B)
Trade mark:	JIADA
Manufacturer:	Wenzhou Jiada Technology Co., Ltd
Address:	No.401, Building 19th, Rainbow Wisdom Park, Longgang City, Cangnan
	Area, Wenzhou City, Zhejiang Province, China.
Classification:	FFP2 NR
Sample quantity:	69 Pcs

Sample Received Date: Testing Period:

Mar. 17, 2021

Mar. 17, 2021~ Mar. 24, 2021

Test Requirement:

According to the requirement of the client, the test item(s) of the sample is according to the standard EN 149:2001+A1:2009.

Test Result(s): Please refer to the following page(s)

Test Method: Please refer to the following page(s)

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Reviewed by:

Compiled by:

Approved by:

Date:

2021-03-24

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Summary of assessment*

Clause	Assessment
7.9.2 Penetration of filter material	Pass
7.11 Flammability	Pass
7.12 Carbon dioxide content of the inhalation air	Pass
7.16 Breathing resistance	Pass

Key

,	
Pass	Requirement satisfied.
NRq	The clauses were not required.
Fail	Requirement not satisfied. Refer to the "Result details" section for more information.
N.A.	Requirement not applicable.

Test	Uncertainty
Penetration of filter material (NaCl)	1.60 %
Penetration of filter material (Paraffin Oil)	1.78 %
Carbon dioxide content of the inhalation air	5.34 %
Breathing resistance (30 L/min)	3.60 %
Breathing resistance (95 L/min)	2.20 %
Breathing resistance (160 L/min)	2.00 %

* Assessment relates only to those specimens which were tested and subjects in this report.



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Test Result

Clause 7.9.2 Penetration of Filter Material

(EN 149:2001+A1:2009, Clause 8.11)

	Test Requirement	7	Results	Comment
The penetration of	the filter of the partic	le filtering half mask		
shall meet the req	uirements of the follow	wing table.		
	Maximum penetration	on of test aerosol(%)		
Classification Sodium chloride		Paraffin oil	Detail refer to	
	test 95 L/min	test 95 L/min	Appendix 1	Pass
FFP1	20	20	, t	A L
FFP2	6	6		14 A
FFP3	1	1		7
ト マ		* *	7	

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Appendix 1: Summarization of Test Data

Penetration of filter material

	4		Penetrat	ion (%)	Assessment
Aerosol	Condition	Sample No.	Average in 30s after 3 min	Max. during exposure	t the
, t	L'	1#	0.82	<u> </u>	
- Ser	A.R.	2#	0.82	/	ALC: NOT
, , , , , , , , , , , , , , , , , , ,	* <	3#	0.83		4
at .		7#	0.84		
Sodium chloride test	S.W.	8#	0.84	/ *	
chionde lest	A R	9#	0.80	At 1 2	
L 3	× 7	13#		1.11	
	M.S. + T.C.	14#	< / /	1.12	* 4
		15#	1	1.13	A CONTRACTOR OF THE OWNER OWNER OF THE OWNER OF THE OWNER OWNE
	· 7	4#	1.82		Pass
	A.R.	5#	2.13	/	
		6#	1.27	4	2
	4	10#	2.14		
Paraffin oil test	S.W.	11#	2.08	1	
1001	X	12#	1.57		
	A.	16#	1	2.00	
	M.S. + T.C.	17#		2.00	× 4
	1 K	18#	/	1.59	
	Flow rat	te of test aerosol	: 95.0 L/min	4.	

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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	Detail refer to	Pass
particle filtering half mask shall not burn or not to continue on	Appendix 2	Pass
burn for more than 5 s after removal from the flame.		

Appendix 2: Summarization of Test Data

Flammability

Паннарінту			
Condition	Sample No.	Result	Assessment
A.R.	31#	Flammable, burn for no more than 5 s	
~	32#	Nonflammable	
	33#	Flammable, burn for no more than 5 s	Pass
T.C.	34#	Flammable, burn for no more than 5 s	

Clause 7.12 Carbon Dioxide Content of The Inhalation Air

(EN 149:2001+A1:2009, Clause 8.7)

Test Requirement	Results	Comment
The carbon dioxide content of the inhalation air (dead	Detail refer to	Pass
space) shall not exceed an average of 1.0 % (by volume).	Appendix 3	F 855

Appendix 3: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	R	Assessment	
	19#		Mean value:	
Á.R.	20#	0.39%		Pass
	21#	0.42%	0.40%	

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Clause 7.16 Breathing Resistance

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

S S	Test Requi	rement	A C	Results		Comment	
The breathing res	sistances app	ly to valved	and valveless		.6	Ϋ́Υ	
filtering half mask	s and shall m	eet the require	ements as the				
following table.							
5	Maximum pe	ermitted resista	ance (mbar)				
Classification	Inhala	tion	Exhalation	Detail refer	Pass		
	30 L/min	95 L/min	160 L/min	Appendix	4	1 400	
FFP1	0.6	2.1	- 3.0				
FFP2	0.7	2.4	3.0		A		
FFP3	_ 1.0 🔨	3.0	3.0		S ^r		
N.	~ ~		.				

Appendix 4: Summarization of Test Data

- up portain								
r		Inhalatior	n(mbar)	Exhalation resistance(mbar)				
Specimen	Condition	At 30	At 95	ł	At	160 L/min		
		L/min	L/min	Ă	В	С	D	E
22#		-0.38	1.34	2.02	2.02	2.01	2.01	2.00
23#	A.R. 🔨	0.37	1.33	2.01	2.01	2.00	1.99	1.98
24#		0.39	1.35	2.03	2.03	2.02	2.01	2.00
25#		0.40	1.35	2.02	2.01	2.02	2.01	2.01
26#	S.W. 🔔	0.39	1.34	2.02	2.03	2.03	2.02	2.01
27#		0.40	1.36	2.03	2.02	2.03	2.03	2.02
28#	7	0.35	1.30	1.90	1.89	1.90	1.89	1.8 <mark>8</mark>
29#	T.C.	0.34	1.30	1.90	1.89	1.89	1.88	1.87
30#		0.36	1.31	1.91	1.90	1.91	1.90	1.89
/		/	/	/	/	/	/	/
/	F.C.	/	/	/	/	/	/	/
/		/	/	/	/	/	/	/

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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Fig.1



Fig.2

****End of Report****

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