

Report No.: S23112803801E page 1 of 12

	Test Report
	y root reposit
Annlinent	Wenther linds Technology Co. Ltd.
Applicant:	Wenzhou Jiada Technology Co., Ltd.
Address:	4th floor, Building 5,No.2-58 XingyeRoad,LonggangCity,Wenzhou
	City.ZhejiangProvince,China
The fellowing a count	of a) was from a substituted and identified on ball of the alient as
	e(s) was/were submitted and identified on behalf of the client as:
Product name:	FILTERING HALF MASK
Model:	JD-P3
Trade mark:	JADA
Manufacturer:	Wenzhou Jiada Technology Co., Ltd.
Address:	4th floor, Building 5,No.2-58 XingyeRoad,LonggangCity,Wenzhou
	City.ZhejiangProvince,China
Sample description:	White fish mask
Classification:	FFP3 NR
Sample quantity:	121 Pcs
AL	
Sample Received Date:	Nov. 28, 2023
Testing Period:	Nov. 28, 2023~ Dec. 04, 2023
Test Requirement:	
According to the requience EN 149:2001+A1:200	irement of the client, the test item(s) of the sample is according to the standard 9.
Test Result(s): Pleas	e refer to the following page(s)
Test Method: Please	refer to the following page(s)
	Lane May
Compiled by:	Reviewed by:
	Jaren Dan 10 01
Approved by:	Date: 2023-12-04

Approved by: Shenzhen NTEK Testing Technology Co., Ltd. | Address: 1&5/F, Building C, 1&2/F, Building E, Fenda Science Park, Sanwei Community, Hangcheng Street, Baoan District, Shenzhen ,Guangdong, China | Tel: +86-755-2320 0050 | http://www.ntek.org.cn
Complaint Tel: +86-755- 23218370 | Complaint E-mail: complaint@ntek.org.cn

Date:

2023-12-04



Report No.: S23112803801E page 2 of 12

Summary of assessment*

Clause	Assessment
7.3 Visual inspection	NRq
7.4 Packaging	NRq
7.5 Material	Pass
7.6 Cleaning and disinfecting	N.A.
7.7 Practical performance	Pass
7.8 Finish of parts	Pass
7.9.1 Total inward leakage	Pass
7.9.2 Penetration of filter material	Pass
7.10 Compatibility with skin	Pass
7.11 Flammability	Pass
7.12 Carbon dioxide content of the inhalation air	Pass
7.13 Head harness	Pass
7.14 Field of vision	Pass
7.15 Exhalation valve(s)	N.A.
7.16 Breathing resistance	Pass
7.17 Clogging	N.A.
7.18 Demountable parts	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
Total inward leakage	6.40 %
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.

Shenzhen NTEK Testing Technology Co., Ltd. | Address: 1&5/F, Building C, 1&2/F, Building E, Fenda Science Park, Sanwei Community, Hangcheng Street, Baoan District, Shenzhen ,Guangdong, China | Tel: +86-755-2320 0050 | http://www.ntek.org.cn

Complaint Tel: +86-755- 23218370 | Complaint E-mail: complaint@ntek.org.cn



Report No.: S23112803801E page 3 of 12

Test Result

Respiratory Protective Devices — Filtering Half Masks to Protect against Particles — Requirements, Testing, Marking (EN 149:2001+A1:2009)

Clause 7.3 Visual inspection

Test Requirement	Results	Comment
Marking and the information supplied by the manufacturer,	The clauses were	NRq
requirements refer to clause 9 and clause 10.	d clause 10. not required.	

Clause 7.4 Packaging

(EN 149:2001+A1:2009 Clause 8.2)

Test Requirement	Results	Comment
Particle filtering half masks shall be offered for sale	The clauses were	* 4
packaged in such a way that they are protected against	The clauses were	NRq
mechanical damage and contamination before use.	not required.	

Clause 7.5 Material

(EN 149:2001+A1:2009, Clause 8.2 & 8.3.1 & 8.3.2)

Test Requirement	Results	Comment	
Materials used shall be suitable to withstand handling and	*		
wear over the period for which the particle filtering half mask	Comply	Pass	
is designed to be used.		<u> </u>	
After undergoing the conditioning described in 8.3.1 none of		¥ 3°	
the particle filtering half masks shall have suffered	Comply	Pass	
mechanical failure of the face piece or straps.		,	
When conditioned in accordance with 8.3.1 and 8.3.2 the	Comply	Pass	
particle filtering half mask shall not collapse.	Comply	Pass	
Any material from the filter media released by the air flow			
through the filter shall not constitute a hazard or nuisance	Comply	Pass	
for the wearer.	4,	*	



Report No.: S23112803801E page 4 of 12

Clause 7.6 Cleaning and Disinfecting

(EN 149:2001+A1:2009, Clause 8.4 & 8.5 & 8.11)

Test Requirement	Results	Comment
If the particle filtering half mask is designed to be re-usable,		
the materials used shall withstand the cleaning and		> 4
disinfecting agents and procedures to be specified by the	Not applicable	
manufacturer.	(Not designed to	N.A.
With reference to 7.9.2, after cleaning and disinfecting the	be re-usable)	
re-usable particle filtering half mask shall satisfy the		4,
penetration requirement of the relevant class.		

Clause 7.7 Practical Performance

(EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
rest requirement	Sample 11#~12#:	Comment
General:	* *	
a) head harness comfort		
b) security of fastenings	No imperfections	
c) field of vision		
d) any other comments reported by the wearer on request.	*	
Walking Test:	7	
The subjects wearing normal working clothes and wearing the	4	J 3
particle filtering half mask shall walk at a regular rate of 6 km/h	No imperfections	
on a level course. The test shall be continuous, without	No imperiections	4
removal of the particle filtering half mask, for a period of 10		
min.		Pass
Work Simulation Test:	* 4	
a) walking on the level with headroom of (1.3 \pm 0.2)m for		
5min	7	*
b) crawling on the level with headroom of (0.7 \pm 0.05)m for	*	
5min	No imperfections	
c) filling a small basket (see Figure 1, approximate volume = 8	No impenections	
L) with chippings or other suitable material from a hopper	4,	*
which stands 1.5 m high and has an opening at the bottom to		
allow the contents to be shovelled out and a further opening at		4 2
the top where the basket full of chippings is returned.	4	



Report No.: S23112803801E page 5 of 12

Clause 7.8 Finish of Parts

EN 149:2001+A1:2009, Clause 8.2)

Test Requirement	Results	Comment
Parts of the device likely to come into contact with the	No sharp edges or	Pass
wearer shall have no sharp edges or burrs.	burrs	F a 5 5

Clause 7.9.1 Total Inward Leakage

(EN 149:2001+A1:2009 Clause 8.5)

Test Requirement	Results	Comment
For particle filtering half masks fitted in accordance with the	<u> </u>	+
manufacturer's information, at least 46 out of the 50	*	100 5
individual exercise results (i.e. 10 subjects x 5 exercises) for		4
total inward leakage shall be not greater than:	4	
25% for FFP1		<u>با ج</u>
11% for FFP2	Datail refer to	
5% for FFP3	Detail refer to	Pass
and, in addition, at least 8 out of the 10 individual wearer	Appendix 1	A- <
arithmetic means for the total inward leakage shall be not		707
greater than:	(4
22% for FFP1		
8% for FFP2		4
2% for FFP3		

Appendix 1: Summarization of Test Data

Subject	Sample	Condition	Normal Breathing (%)	Head Side/Side (%)	Head Up/Down (%)	Speak Loudly (%)	Normal Breathing (%)	Mean (%)
Zhang	1#	A.R.	0.4	0.7	0.9	1.2	0.5	0.74
Fan	2#	A.R.	0.7	0.9	1.1	1.3	0.8	0.96
Yang	3#	A.R.	0.6	0.9	1.0	1.2	0.7	0.88
Huang	4#	A.R.	0.5	0.8	1.0	1.2	0.6	0.82
Yan	5#	A.R.	0.8	1.1	1.3	1.5	0.9	1.12
Shi	6#	T.C.	1.2	1.5	1.7	1.9	1.3	1.52
Huang	7#	T.C.	1.0	1.3	1.5	1.8	1.1	1.34
Chen	8#	T.C.	1.1	1.4	1.6	1.8	1.2	1.42
Lei	9#	T.C.	1.3	1.6	1.7	1.9	1.4	1.58
Shen	10#	T.C.	1.4	1.7	1.9	2.1	1.5	1.72

Shenzhen NTEK Testing Technology Co., Ltd. | Address: 1&5/F, Building C, 1&2/F, Building E, Fenda Science Park, Sanwei Community, Hangcheng Street, Baoan District, Shenzhen ,Guangdong, China | Tel: +86-755-2320 0050 | http://www.ntek.org.cn Complaint Tel: +86-755- 23218370 | Complaint E-mail: complaint@ntek.org.cn



Report No.: S23112803801E page 6 of 12

Facial Dimension:

Cution	Length of Face	Width of Face	Depth of Face	Width of Mouth
Subject	(mm)	(mm)	(mm)	(mm)
Zhang	120	175	115	57
Fan	120	155	115	55
Yang	125	165	120	55
Huang	116	187	126	57
Yan	104	163	115	52
Shi	110	144	117	46
Huang	108	136	105	52
Chen	115	135	121	57
Lei	111	137	121	53
Shen	112	138	119	54

Clause 7.9.2 Penetration of Filter Material

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

W 7	Test Requirement	Results	Comment	
•	of the filter of the partic	•	- 19	-
- 3	Maximum penetration			
Classification	Sodium chloride test 95 L/min	Paraffin oil test 95 L/min	Detail refer to Appendix 2	Pass
FFP1	20	20		
FFP2	6	6		+ 3
FFP3	1	1 🗟	<u>ب</u> ک	



Report No.: S23112803801E page 7 of 12

Appendix 2: Summarization of Test Data

Penetration of filter material

		()	Penetrati		Assessment
Aerosol Condition	Condition	Sample No.	Average in 30s after 3 min	Max. during exposure	* 4
	4,	13#	0.08	<i>-</i> /	₩.
	A.R.	14#	0.05	/	
	.dt 2	15#	0.05	A 1 A	
	3	19#	0.14	1	
Sodium chloride test	S.W.	20#	0.14	1	
cilionae test	J. 211	21#	0.15	Ø 1 €	
		25#	<i>A</i> 1 =	0.40	
	M.S. + T.C.	26#	/	0.36	
	- 4	27#	1	0.46	
J 300		16#	0.22	7	Pass
	A.R.	17#	0.22	/	
		18#	0.23	4	
		22#	0.25	<i>3</i> /	
Paraffin oil test	S.W.	23#	0.26		
		24#	0.28	1	
	4,	28#	/	0.76	
	M.S. + T.C.	29#	<i></i>	0.49	
	J. 2	30#	/	0.64	
	Flow ra	te of test aerosol	: 95.0 L/min	4	

Clause 7.10 Compatibility with Skin

(EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Test Requirement	Results	Comment
Materials that may come into contact with the wearer's skin	No irritation or any	
shall not be known to be likely to cause irritation or any other	other adverse	Pass
adverse effect to health.	effect to health.	



Report No.: S23112803801E page 8 of 12

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	<i>1</i> 00 €	
and shall not be of highly flammable nature when tested, the	Detail refer to	Doos of
particle filtering half mask shall not burn or not to continue on	Appendix 3	Pass
burn for more than 5 s after removal from the flame.		

Appendix 3: Summarization of Test Data

Flammability

Condition	Sample No.	Result	Assessment
A.R.	31#	Flammable, the burning time is 3.12 s.	4
	32#	Flammable, the burning time is 2.91 s.	Pass
T.C.	33#	Flammable, the burning time is 2.72 s.	Pass
	34#	Flammable, the burning time is 2.43 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 4	1 833

Appendix 4: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result		Assessment
*	35#	0.60%	Maan value	
A.R.	36#	0.59%	Mean value: - 0.60%	Pass
	37#	0.60%		140



Report No.: S23112803801E page 9 of 12

Clause 7.13 Head Harness

(EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Test Requirement	Results	Comment
The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.	Comply	> 4
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	Comply	Pass
inward leakage requirements for the device.	(1, 4,	

Clause 7.14 Field of Vision

(EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
The field of vision is acceptable if determined so in practical	Comply	Pass
performance.	Comply	F a 5 5

Clause 7.15 Exhalation Valve(s)

(EN 149:2001+A1:2009, Clause 8.2 & 8.9.1 & 8.3.4 & 8.8)

Test Requirement	Results	Comment
a) A particle filtering half mask may have one or more	4	* *
exhalation valve(s), which shall function correctly in all	No valves.	
orientations.		
b) If an exhalation valve is provided it shall be protected		
against or be resistant to dirt and mechanical damage and		+ 3
may be shrouded or may include any other device that may	No valves.	
be necessary for the particle filtering half mask to comply		N.A.
with 7.9.	7	N.A.
c) Exhalation valve(s), if fitted, shall continue to operate	+	
correctly after a continuous exhalation flow of 300L/min over	No valves.	
a period of 30 s.		
d) When the exhalation valve housing is attached to the face	4	4
blank, it shall withstand axially a tensile force of 10N applied	No valves.	
for 10 s.		4 4



Report No.: S23112803801E page 10 of 12

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					
filtering half masl	ks and shall m	eet the requir	ements as the		
following table.				4	ــــــــــــــــــــــــــــــــــــــ
	Maximum permitted resistance (mbar)			, ,	
Classification	Inhalation Exhalation			Detail refer to	Pass
<u> </u>	30 L/min	95 L/min	160 L/min	Appendix 5	
FFP1	0.6	2.1	3.0	.	
FFP2	0.7	2.4	3.0		
FFP3	1.0	3.0	3.0		
4 3				4	

Appendix 5: Summarization of Test Data

	Condition	Inhalation(mbar)		Exhalation resistance(mbar)				
Specimen		At 30	At 95	At 160 L/min				
		L/min	L/min	A	В	С	D	E
38#	A.R.	0.37	1.34	1.84	1.85	1.85	1.86	1.85
39#		0.38	1.35	1.86	1.85	1.84	1.85	1.84
40#		0.38	1.34	1.85	1.86	1.86	1.84	1.85
41#	S.W.	0.40	1.37	1.88	1.87	1.87	1.89	1.89
42#		0.39	1.38	1.87	1.89	1.88	1.88	1.87
43#		0.40	1.37	1.89	1.88	1.87	1.87	1.88
44#		0.34	1.32	1.81	1.81	1.83	1.82	1.82
45#	T.C.	0.35	1.33	1.82	1.81	1.83	1.82	1.83
46#	太	0.35	1.32	1.82	1.83	1.81	1.81	1.83
/		/	/	/	/	/	/	/
/	F.C.	/	/	/	/	/	1	/
/		/	/	/	/	/	/	/

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



Report No.: S23112803801E page 11 of 12

Clause 7.17 Clogging

(EN 149:2001+A1:2009, Clause 8.9 & 8.10)

	Test Requirement		Results	Comment
Claus	e 7.17.2 Breathing res	1 6		
Valve	d particle filtering half	, d 4°		
After clogging the	e inhalation resistance		.(_	
FFP1: 4 mbar, F	FP2: 5 mbar, FFP3: 7			
continuous flow. T	he exhalation resistan	Requirement not applicable.	N.A.	
3 mbai	r at 160 L/min continuo			
Valvele	ss particle filtering hal	4		
After clogging th	ne inhalation and exha	4		
shall not exceed	l: FFP1: 3 mbar, FFP2			
mba	at 95L/min continuou	s flow.		
* 5	Test Requirement	Results	Comment	
Clause 7.	17.3 Penetration of file		<i>*</i> -	
All types (valve	d and valveless) of pa	* *		
masks claimed to	meet the clogging rec	quirement shall also		
	meet the requirement	s.	6, 4	<i>*</i>
	Maximum penetrat	ion of test aerosol		
	Sodium chloride	Paraffin oil test	Requirement not	n.A.
Classification	test 95 L/min	95 L/min	applicable.	
	%	%	арріїсавіс.	
	max.	max.	*	
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		
		Y. S.	* *	

Clause 7.18 Demountable Parts

(EN 149:2001+A1:2009, Clause 8.2)

Test Requirement	Results	Comment	
All demountable parts (if fitted) shall be readily connected	Comply	Pass	
and secured, where possible by hand.	Comply		



Report No.: S23112803801E page 12 of 12

Sample photo(s):



Fig.1



Fig.2

****End of Report****

The test report is effective only with both signature and specialized stamp, the result(s) shown in this report refer only to the sample(s) tested. Without written approval of NTEK, this report can't be reproduced except in full; The laboratory is not responsible for the authenticity of the sample information provided by the customer; The laboratory is not responsible for any deviation of results due to methods/standards provided by the customer.

Shenzhen NTEK Testing Technology Co., Ltd. | Address: 1&5/F, Building C, 1&2/F, Building E, Fenda Science Park, Sanwei Community, Hangcheng Street, Baoan District, Shenzhen ,Guangdong, China | Tel: +86-755-2320 0050 | https://www.ntek.org.cn Complaint Tel: +86-755- 23218370 | Complaint E-mail: complaint@ntek.org.cn