

# Test Report

**Applicant:** Wenzhou Jiada Technology Co.,Ltd  
**Address:** 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  
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: 24 Pcs

Sample Received Date: Mar. 09, 2021  
Testing Period: Mar. 09, 2021~ Mar. 15, 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)

Compiled by:



Reviewed by:



Approved by:



Date:

2021-03-16

## Test Result

### Clause 7.7 Practical Performance (EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
	Sample 11#~12#:	
<p>General:</p> <p>a) head harness comfort</p> <p>b) security of fastenings</p> <p>c) field of vision</p> <p>d) any other comments reported by the wearer on request.</p>	No imperfections	Pass
<p>Walking Test:</p> <p>The subjects wearing normal working clothes and wearing the particle filtering half mask shall walk at a regular rate of 6 km/h on a level course. The test shall be continuous, without removal of the particle filtering half mask, for a period of 10 min.</p>	No imperfections	
<p>Work Simulation Test:</p> <p>a) walking on the level with headroom of <math>(1.3 \pm 0.2)</math>m for 5min</p> <p>b) crawling on the level with headroom of <math>(0.7 \pm 0.05)</math>m for 5min</p> <p>c) filling a small basket (see Figure 1, approximate volume = 8 L) with chippings or other suitable material from a hopper 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 the top where the basket full of chippings is returned.</p>	No imperfections	



**Clause 7.9.1 Total Inward Leakage**

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

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

**Appendix 1: Summarization of Test Data**

Subject	Sample	Condition	Normal Breathing (%)	Head Side/Side (%)	Head Up/Down (%)	Speak Loudly (%)	Normal Breathing (%)	Mean (%)
Huang	1#	A.R.	7.1	7.3	7.4	7.5	7.2	7.30
Zhou	2#	A.R.	6.6	6.7	6.9	7.1	6.7	6.80
Ma	3#	A.R.	6.2	6.4	6.6	6.7	6.3	6.44
Wu	4#	A.R.	7.4	7.5	7.6	7.7	7.5	7.54
Li	5#	A.R.	7.6	7.7	7.9	8.0	7.5	7.74
Wu	6#	T.C.	5.9	6.1	6.2	6.4	5.9	6.10
Zhai	7#	T.C.	6.7	6.9	7.1	7.2	6.6	6.90
Zheng	8#	T.C.	6.3	6.4	6.6	6.7	6.4	6.48
Huang	9#	T.C.	7.4	7.5	7.6	7.7	7.5	7.54
Wu	10#	T.C.	5.2	5.3	5.4	5.6	5.3	5.36

## Facial Dimension:

Subject	Length of Face ( mm )	Width of Face ( mm )	Depth of Face ( mm )	Width of Mouth ( mm )
Huang	130	140	125	53
Zhou	100	148	125	55
Ma	120	158	110	50
Wu	110	148	121	44
Li	112	146	112	50
Wu	120	154	128	54
Zhai	135	165	125	53
Zheng	106	155	112	54
Huang	105	157	118	51
Wu	112	172	118	55

Test	Uncertainty
Total inward leakage	6.40 %



**Sample photo(s):**



Fig.1



Fig.2

\*\*\*\*End of Report\*\*\*\*

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