



EU-Type Examination Certificate

LGAI Technological Center S.A. (APPLUS), Notified Body No. 0370, issues this certificate to:

APPLICANT

Wenzhou Jiada Technology Co., Ltd.

4th floor, Building 5, No.2-58 XingyeRoad, Longgang City,
Wenzhou, Zhejiang, China

PRODUCT

See annex

APPLICABLE REGULATION

Personal Protective Equipment

In compliance with Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016

Conformity assessment procedure: **Module B** - EU Type Examination.

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

No. 0370-4483-PPE/B

Issue date: 19/09/2025

First issue date: 28/09/2020

Validity until: 28/09/2030

This certificate shall remain valid until the date indicated above provided that the product described is not modified and complies with the essential health and safety requirements set out in Regulation (EU) 2016/425. To ensure such compliance, this certificate shall be accompanied by the documentation corresponding to the Type Conformity Assessment according to module C2 or D (carried out by a Notified Body, according to the established frequency).

This document is not valid without its technical annex; whose number coincides with that of the certificate

Xavier Ruiz Peña
Managing Director
Conformity Assessment



LGAI Technological Center S.A. (APPLUS)
Notified Body No. 0370
Campus UAB. Ronda de la Font del Carme s/n
08193 Bellaterra, Barcelona (Spain)



Check the status
of this certificate

Certificate

Technical Annex

I. References included in this certificate

General details	
Brand	JIADA
Identification of the ppe (type number)	Ref.: JD-99 Filtering half mask
Performance level or protection class of the PPE	FFP2 NR
Colour	White
Description	Valveless filtering half mask, vertical foldable type, 5 layers, with earloops and interior nose clip. Size: 105mm*155mm
Test report	S20082702701E & S21030901401E issued by Shenzhen NTEK Testing Technology Co., Ltd.

General details	
Brand	JIADA
Identification of the ppe (type number)	Ref.: JD-99(BK) Filtering half mask
Performance level or protection class of the PPE	FFP2 NR
Colour	Black
Description	Valveless filtering half mask, vertical foldable type, 5 layers, with earloops and interior nose clip. Size: 105mm*155mm
Test report	S20082702701E & S21030901402E issued by Shenzhen NTEK Testing Technology Co., Ltd.

General details	
Brand	JIADA
Identification of the ppe (type number)	Ref.: JD-99(V) Filtering half mask
Performance level or protection class of the PPE	FFP2 NR
Colour	Violet
Description	Valveless filtering half mask, vertical foldable type, 5 layers, with earloops and interior nose clip. Size: 105mm*155mm
Test report	S20082702701E & S21031704001E issued by Shenzhen NTEK Testing Technology Co., Ltd.

General details	
Brand	JIADA
Identification of the ppe (type number)	Ref.: JD-99(B) Filtering half mask
Performance level or protection class of the PPE	FFP2 NR
Colour	Blue
Description	Valveless filtering half mask, vertical foldable type, 5 layers, with earloops and interior nose clip. Size: 105mm*155mm
Test report	S20082702701E & S21031704002E issued by Shenzhen NTEK Testing Technology Co., Ltd.

General details	
Brand	JIADA
Identification of the ppe (type number)	Ref.: JD-99(Y) Filtering half mask
Performance level or protection class of the PPE	FFP2 NR
Colour	Yellow
Description	Valveless filtering half mask, vertical foldable type, 5 layers, with earloops and interior nose clip. Size: 105mm*155mm
Test report	S20082702701E & S21031704003E issued by Shenzhen NTEK Testing Technology Co., Ltd.

General details	
Brand	JIADA
Identification of the ppe (type number)	Ref.: JD-99(R) Filtering half mask
Performance level or protection class of the PPE	FFP2 NR
Colour	Red
Description	Valveless filtering half mask, vertical foldable type, 5 layers, with earloops and interior nose clip. Size: 105mm*155mm
Test report	S20082702701E & S21031704004E issued by Shenzhen NTEK Testing Technology Co., Ltd.

General details	
Brand	JIADA
Identification of the ppe (type number)	Ref.: JD-99(P) Filtering half mask
Performance level or protection class of the PPE	FFP2 NR
Colour	Pink
Description	Valveless filtering half mask, vertical foldable type, 5 layers, with earloops and interior nose clip. Size: 105mm*155mm
Test report	S20082702701E & S21031704005E issued by Shenzhen NTEK Testing Technology Co., Ltd.

General details	
Brand	JIADA
Identification of the ppe (type number)	Ref.: JD-99(G) Filtering half mask
Performance level or protection class of the PPE	FFP2 NR
Colour	Grey
Description	Valveless filtering half mask, vertical foldable type, 5 layers, with earloops and interior nose clip. Size: 105mm*155mm
Test report	S20082702701E & S21031704006E issued by Shenzhen NTEK Testing Technology Co., Ltd.



Conformity to Type Certificate

LGAI Technological Center S.A. (APPLUS+), Notified Body No. 0370, issues this certificate to:

APPLICANT

Wenzhou Jiada Technology Co., Ltd.

4th floor, Building 5, No.2-58 XingyeRoad, Longgang City
Wenzhou City, Zhejiang, 325802 China

Production site

Wenzhou Jiada Technology Co., Ltd.

4th floor, Building 5, No.2-58 XingyeRoad, Longgang City
Wenzhou City, Zhejiang, 325802 China

PRODUCT

See annex

APPLICABLE REGULATION

Personal Protective Equipment

In compliance with Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016

Module D: Based on quality assurance of the production process.

No. 0370-6522-PPE/D

Issue date: 14/09/2026

First issue date: 14/09/2022

Validity until: 14/09/2027

This certificate shall remain valid until the date indicated provided that the conditions set out in the EU Type Examination Certificate referenced in the Annex are not changed.

This document is not valid without its technical annex; whose number coincides with that of the certificate

Xavier Ruiz Peña
Managing Director
Conformity Assessment



LGAI Technological Center S.A. (APPLUS+)

Notified Body No. 0370

Campus UAB. Ronda de la Font del Carme s/n
08193 Bellaterra, Barcelona (Spain)



Check the status
of this certificate

Certificate

Technical Annex

I. Certificates included in the quality system assessment

Nr. EU type examination Certificate 0370-4483-PPE/B

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	28/09/2020
Validity until	28/09/2030

Nr. EU type examination Certificate 0370-5103-PPE/B

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	21/01/2021
Validity until	21/01/2031

Nr. EU type examination Certificate 0370-5397-PPE/B

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	16/03/2021
Validity until	16/03/2031

Nr. EU type examination Certificate 0370-6504-PPE/B

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	24/08/2022
Validity until	24/08/2027

Nr. EU type examination Certificate 0370-6507-PPE/B

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	31/08/2022
Validity until	31/08/2027

**Nr. EU type examination Certificate
0370-7005-PPE/B**

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	13/12/2023
Validity until	13/12/2028

**Nr. EU type examination Certificate
0370-7381-PPE/B**

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	20/12/2024
Validity until	20/12/2029

**Nr. EU type examination Certificate
0370-7530-PPE/B**

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	16/05/2025
Validity until	16/05/2030

**Nr. EU type examination Certificate
0370-7628-PPE/B**

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	11/07/2025
Validity until	11/07/2030

**Nr. EU type examination Certificate
0370-7666-PPE/B**

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	08/08/2025
Validity until	08/08/2030

**Nr. EU type examination Certificate
0370-7783-PPE/B**

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	19/09/2025
Validity until	19/09/2030

Nr. EU type examination Certificate
0370-7784-PPE/B

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	19/09/2025
Validity until	19/09/2030

Nr. EU type examination Certificate
0370-8458-PPE/B

Issue by	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS+) (Notified Body No. 0370).
Issue date	14/09/2026
Validity until	14/09/2031

Wenzhou Jiada Technology Co.,Ltd
4th floor, Building 5, No.2-58 Xingye Road, Longgang City, Wenzhou
City, Zhejiang Province, China

EU DECLARATION OF CONFORMITY

1. Personal protective equipment: FILTERING HALF MASK (Model: JD-99, Classification: FFP2 NR)

2. Name and address of the manufacturer:

Name: Wenzhou Jiada Technology Co., Ltd

Address: 4th floor, Building 5, No.2-58 Xingye Road, Longgang City, Wenzhou City, Zhejiang Province, China

3. This declaration of conformity is issued under the sole responsibility of the manufacturer: Wenzhou Jiada Technology Co., Ltd

4. Object of the declaration is: FILTERING HALF MASK (Model: JD-99, Classification: FFP2 NR) for respiratory protection against particular.

5. The object of the declaration described in point 4 is in conformity with the relevant Union Harmonization legislation: REGULATION (EU) 2016/425 on personal protective equipment and repealing Council Directive 89/686/EEC.

6. FILTERING HALF MASK (Model: JD-99, Classification: FFP2 NR) **meets the FFP2 NR requirements of the harmonized standard EN 149:2001+A1:2009 used in order to confirm the conformity with the relevant Union harmonization legislation:** REGULATION (EU) 2016/425 on personal protective equipment and repealing Council Directive 89/686/EEC.

7. The notified body: NB 0370 - LGAI TECHNOLOGICAL CENTER (APPLUS), with address: Campus UAB, Ronda de la Font del Carme s/n, E-08193 Bellaterra (Barcelona), Spain

8. Certification Module: EU TYPE EXAMINATION (Module B) + INTERNAL PRODUCTION CONTROL PLUS SUPERVISED CONTROL OF PRODUCTS AT ALEATORY INTERVALS (Module D)

Signed for and on behalf of: Wenzhou Jiada Technology Co., Ltd

- 4th floor, Building 5, No.2-58 Xingye Road, Longgang City, Wenzhou City, Zhejiang Province, China

Place and date of issue: Wenzhou

Position: Sales Manager

Name: Cathy Yang

(Signature & Stamp)



Sales Manager

Cathy Yang

4th, Nov, 2025

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(V)
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: Mar. 17, 2021
Testing Period: 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)

Compiled by: _____

Reviewed by: _____

Approved by: _____

Date: _____

2021-03-24

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.

Test Result

Clause 7.9.2 Penetration of Filter Material

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

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	Pass
Classification	Maximum penetration of test aerosol(%)			
	Sodium chloride test 95 L/min	Paraffin oil test 95 L/min		
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 1: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)		Assessment
			Average in 30s after 3 min	Max. during exposure	
Sodium chloride test	A.R.	1#	0.86	/	Pass
		2#	0.88	/	
		3#	0.84	/	
	S.W.	7#	0.84	/	
		8#	0.83	/	
		9#	0.83	/	
	M.S. + T.C.	13#	/	1.15	
		14#	/	1.11	
		15#	/	1.22	
Paraffin oil test	A.R.	4#	1.50	/	
		5#	1.83	/	
		6#	2.05	/	
	S.W.	10#	2.12	/	
		11#	1.98	/	
		12#	1.96	/	
	M.S. + T.C.	16#	/	2.05	
		17#	/	1.92	
		18#	/	1.90	
Flow rate of test aerosol: 95.0 L/min					

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

Appendix 2: Summarization of Test Data

Flammability

Condition	Sample No.	Result	Assessment
A.R.	31#	Nonflammable	Pass
	32#	Nonflammable	
T.C.	33#	Nonflammable	
	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 space) shall not exceed an average of 1.0 % (by volume).	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result		Assessment
A.R.	19#	0.40%	Mean value: 0.39%	Pass
	20#	0.39%		
	21#	0.38%		

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 masks and shall meet the requirements as the following table.				Detail refer to Appendix 4	Pass
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 4: Summarization of Test Data

Specimen	Condition	Inhalation(mbar)		Exhalation resistance(mbar)				
		At 30 L/min	At 95 L/min	At 160 L/min				
				A	B	C	D	E
22#	A.R.	0.40	1.33	2.01	2.01	2.00	1.99	1.99
23#		0.40	1.35	2.02	2.02	2.01	2.01	2.00
24#		0.39	1.34	2.01	2.00	2.01	2.00	1.99
25#	S.W.	0.41	1.35	2.02	2.01	2.02	2.01	2.00
26#		0.41	1.36	2.03	2.02	2.03	2.02	2.01
27#		0.40	1.35	2.01	2.02	2.01	2.01	2.00
28#	T.C.	0.37	1.30	1.92	1.91	1.92	1.91	1.90
29#		0.36	1.29	1.93	1.92	1.93	1.92	1.91
30#		0.37	1.29	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

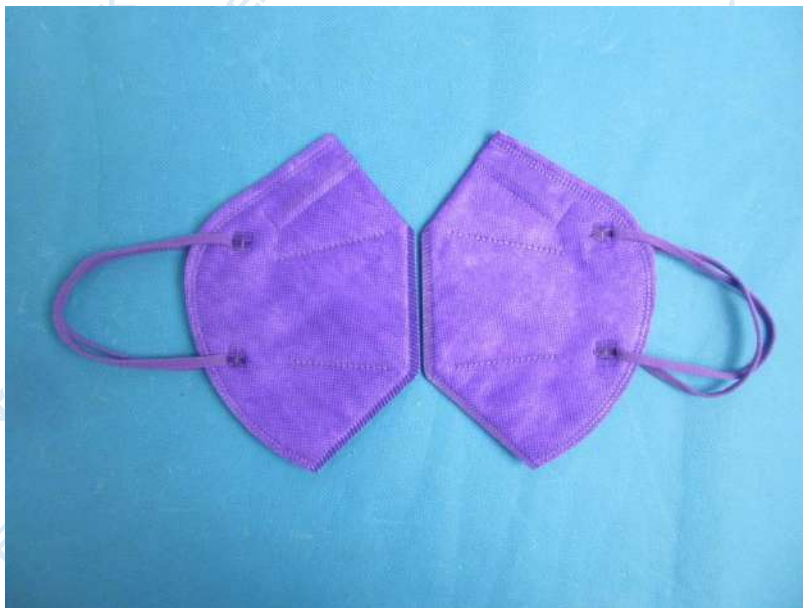
Sample photo(s):

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.

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(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: Mar. 17, 2021
Testing Period: 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)

Compiled by: _____

Reviewed by: _____

Approved by: _____

Date: _____

2021-03-24

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.

Test Result

Clause 7.9.2 Penetration of Filter Material

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

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	Pass
Classification	Maximum penetration of test aerosol(%)			
	Sodium chloride test 95 L/min	Paraffin oil test 95 L/min		
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 1: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)		Assessment
			Average in 30s after 3 min	Max. during exposure	
Sodium chloride test	A.R.	1#	0.82	/	Pass
		2#	0.82	/	
		3#	0.83	/	
	S.W.	7#	0.84	/	
		8#	0.84	/	
		9#	0.80	/	
	M.S. + T.C.	13#	/	1.11	
		14#	/	1.12	
		15#	/	1.13	
Paraffin oil test	A.R.	4#	1.82	/	
		5#	2.13	/	
		6#	1.27	/	
	S.W.	10#	2.14	/	
		11#	2.08	/	
		12#	1.57	/	
	M.S. + T.C.	16#	/	2.00	
		17#	/	2.00	
		18#	/	1.59	
Flow rate of test aerosol: 95.0 L/min					

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

Appendix 2: Summarization of Test Data

Flammability

Condition	Sample No.	Result	Assessment
A.R.	31#	Flammable, burn for no more than 5 s	Pass
	32#	Nonflammable	
T.C.	33#	Flammable, burn for no more than 5 s	
	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 space) shall not exceed an average of 1.0 % (by volume).	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

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

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 masks and shall meet the requirements as the following table.				Detail refer to Appendix 4	Pass
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 4: Summarization of Test Data

Specimen	Condition	Inhalation(mbar)		Exhalation resistance(mbar)				
		At 30 L/min	At 95 L/min	At 160 L/min				
				A	B	C	D	E
22#	A.R.	0.38	1.34	2.02	2.02	2.01	2.01	2.00
23#		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#	S.W.	0.40	1.35	2.02	2.01	2.02	2.01	2.01
26#		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#	T.C.	0.35	1.30	1.90	1.89	1.90	1.89	1.88
29#		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

Sample photo(s):

Fig.1

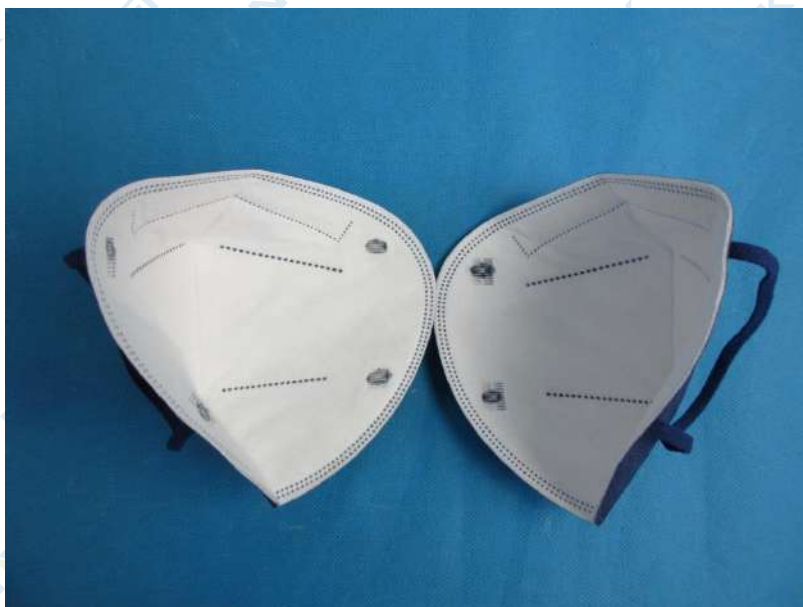


Fig.2

******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.

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(Y)
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: 71 Pcs

Sample Received Date: Mar. 17, 2021
Testing Period: 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)

Compiled by: _____

Reviewed by: _____

Approved by: _____

Date: _____

2021-03-24

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.

Test Result

Clause 7.9.2 Penetration of Filter Material

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

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	Pass
Classification	Maximum penetration of test aerosol(%)			
	Sodium chloride test 95 L/min	Paraffin oil test 95 L/min		
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 1: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)		Assessment
			Average in 30s after 3 min	Max. during exposure	
Sodium chloride test	A.R.	1#	0.81	/	Pass
		2#	0.81	/	
		3#	0.83	/	
	S.W.	7#	0.80	/	
		8#	0.79	/	
		9#	0.85	/	
	M.S. + T.C.	13#	/	0.86	
		14#	/	0.84	
		15#	/	0.86	
Paraffin oil test	A.R.	4#	1.95	/	Pass
		5#	1.11	/	
		6#	1.37	/	
	S.W.	10#	2.00	/	
		11#	1.96	/	
		12#	1.90	/	
	M.S. + T.C.	16#	/	2.11	
		17#	/	2.16	
		18#	/	2.63	
Flow rate of test aerosol: 95.0 L/min					

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

Appendix 2: Summarization of Test Data

Flammability

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

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 space) shall not exceed an average of 1.0 % (by volume).	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result	Assessment
A.R.	19#	0.39%	Pass
	20#	0.38%	
	21#	0.40%	
		Mean value: 0.39%	

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 masks and shall meet the requirements as the following table.				Detail refer to Appendix 4	Pass
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 4: Summarization of Test Data

Specimen	Condition	Inhalation(mbar)		Exhalation resistance(mbar)				
		At 30 L/min	At 95 L/min	At 160 L/min				
				A	B	C	D	E
22#	A.R.	0.37	1.31	1.99	1.98	1.99	1.98	1.97
23#		0.38	1.32	2.00	1.99	2.00	1.99	1.98
24#		0.37	1.32	1.99	1.99	1.98	1.97	1.96
25#	S.W.	0.39	1.34	2.01	2.00	2.01	2.00	1.99
26#		0.38	1.33	2.00	1.99	2.00	1.99	1.98
27#		0.40	1.34	2.01	2.01	2.00	2.00	1.99
28#	T.C.	0.33	1.27	1.90	1.89	1.90	1.89	1.88
29#		0.34	1.28	1.91	1.90	1.91	1.90	1.89
30#		0.34	1.27	1.91	1.91	1.90	1.89	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

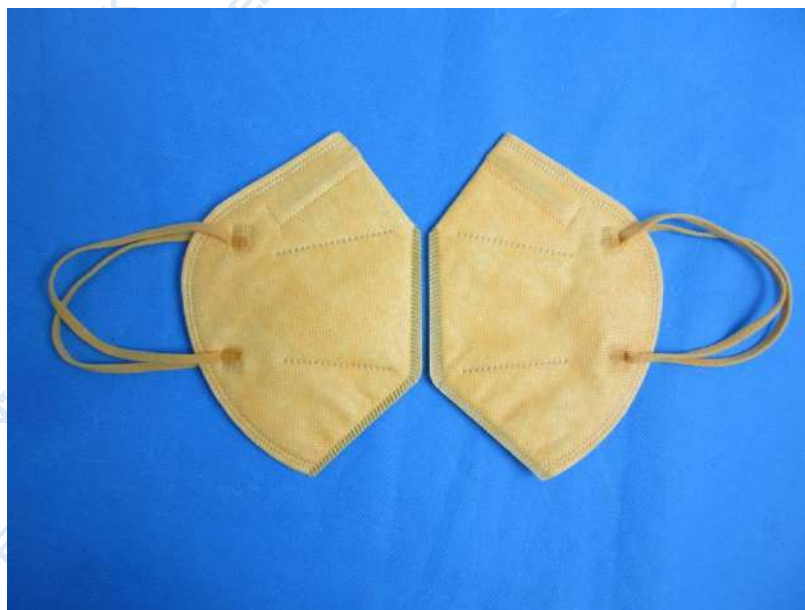
Sample photo(s):

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.

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(R)
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: 77 Pcs

Sample Received Date: Mar. 17, 2021
Testing Period: 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)

Compiled by: _____

Reviewed by: _____

Approved by: _____

Date: _____

2021-03-24

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.

Test Result

Clause 7.9.2 Penetration of Filter Material

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

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	Pass
Classification	Maximum penetration of test aerosol(%)			
	Sodium chloride test 95 L/min	Paraffin oil test 95 L/min		
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 1: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)		Assessment
			Average in 30s after 3 min	Max. during exposure	
Sodium chloride test	A.R.	1#	0.85	/	Pass
		2#	0.83	/	
		3#	0.83	/	
	S.W.	7#	0.83	/	
		8#	0.83	/	
		9#	0.84	/	
	M.S. + T.C.	13#	/	0.88	
		14#	/	0.85	
		15#	/	0.86	
Paraffin oil test	A.R.	4#	1.89	/	Pass
		5#	1.84	/	
		6#	1.85	/	
	S.W.	10#	1.21	/	
		11#	1.25	/	
		12#	1.21	/	
	M.S. + T.C.	16#	/	2.77	
		17#	/	2.15	
		18#	/	2.74	
Flow rate of test aerosol: 95.0 L/min					

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

Appendix 2: Summarization of Test Data

Flammability

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

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 space) shall not exceed an average of 1.0 % (by volume).	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result	Assessment
A.R.	19#	0.39%	Pass
	20#	0.39%	
	21#	0.39%	
		Mean value: 0.39%	

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 masks and shall meet the requirements as the following table.				Detail refer to Appendix 4	Pass
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 4: Summarization of Test Data

Specimen	Condition	Inhalation(mbar)		Exhalation resistance(mbar)				
		At 30 L/min	At 95 L/min	At 160 L/min				
				A	B	C	D	E
22#	A.R.	0.39	1.36	2.04	2.03	2.04	2.03	2.02
23#		0.38	1.35	2.04	2.04	2.03	2.02	2.01
24#		0.39	1.37	2.05	2.05	2.04	2.04	2.03
25#	S.W.	0.41	1.37	2.06	2.05	2.06	2.05	2.04
26#		0.40	1.36	2.05	2.04	2.05	2.04	2.03
27#		0.40	1.37	2.07	2.06	2.07	2.06	2.05
28#	T.C.	0.35	1.30	1.95	1.94	1.95	1.94	1.93
29#		0.34	1.29	1.94	1.93	1.94	1.93	1.92
30#		0.35	1.30	1.94	1.93	1.94	1.93	1.92
/	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

Sample photo(s):

Fig.1

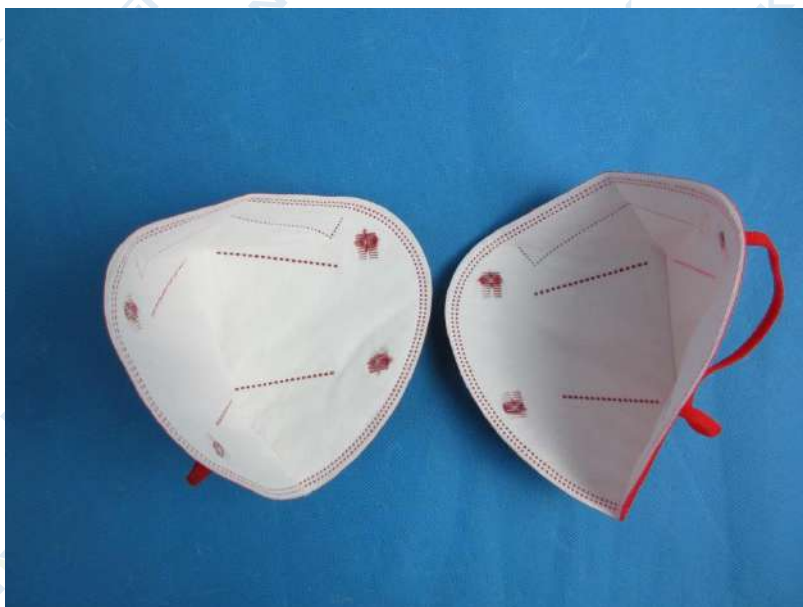


Fig.2

****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.

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(P)
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: Mar. 17, 2021
Testing Period: 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)

Compiled by: _____

Reviewed by: _____

Approved by: _____

Date: _____

2021-03-24

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.

Test Result

Clause 7.9.2 Penetration of Filter Material

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

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	Pass
Classification	Maximum penetration of test aerosol(%)			
	Sodium chloride test 95 L/min	Paraffin oil test 95 L/min		
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 1: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)		Assessment
			Average in 30s after 3 min	Max. during exposure	
Sodium chloride test	A.R.	1#	0.79	/	Pass
		2#	0.82	/	
		3#	0.81	/	
	S.W.	7#	0.82	/	
		8#	0.85	/	
		9#	0.82	/	
	M.S. + T.C.	13#	/	0.87	
		14#	/	0.87	
		15#	/	0.87	
Paraffin oil test	A.R.	4#	1.61	/	Pass
		5#	1.91	/	
		6#	1.30	/	
	S.W.	10#	1.61	/	
		11#	1.92	/	
		12#	1.50	/	
	M.S. + T.C.	16#	/	2.87	
		17#	/	2.60	
		18#	/	2.11	
Flow rate of test aerosol: 95.0 L/min					

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

Appendix 2: Summarization of Test Data

Flammability

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

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 space) shall not exceed an average of 1.0 % (by volume).	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

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

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 masks and shall meet the requirements as the following table.				Detail refer to Appendix 4	Pass
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 4: Summarization of Test Data

Specimen	Condition	Inhalation(mbar)		Exhalation resistance(mbar)				
		At 30 L/min	At 95 L/min	At 160 L/min				
				A	B	C	D	E
22#	A.R.	0.41	1.34	2.02	2.01	2.02	2.01	2.00
23#		0.42	1.36	2.04	2.03	2.04	2.03	2.02
24#		0.41	1.35	2.03	2.02	2.03	2.02	2.01
25#	S.W.	0.43	1.36	2.03	2.02	2.03	2.02	2.01
26#		0.43	1.37	2.04	2.03	2.04	2.03	2.03
27#		0.42	1.35	2.03	2.02	2.03	2.02	2.02
28#	T.C.	0.36	1.30	1.95	1.94	1.95	1.94	1.93
29#		0.35	1.29	1.94	1.93	1.94	1.93	1.92
30#		0.35	1.29	1.93	1.92	1.93	1.92	1.91
/	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

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.

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(G)
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: Mar. 17, 2021
Testing Period: 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)

Compiled by: _____

Reviewed by: _____

Approved by: _____

Date: 2021-03-24

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.

Test Result

Clause 7.9.2 Penetration of Filter Material

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

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	Pass
Classification	Maximum penetration of test aerosol(%)			
	Sodium chloride test 95 L/min	Paraffin oil test 95 L/min		
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 1: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)		Assessment
			Average in 30s after 3 min	Max. during exposure	
Sodium chloride test	A.R.	1#	0.87	/	Pass
		2#	0.81	/	
		3#	0.83	/	
	S.W.	7#	0.84	/	
		8#	0.82	/	
		9#	0.82	/	
	M.S. + T.C.	13#	/	1.19	
		14#	/	1.15	
		15#	/	1.13	
Paraffin oil test	A.R.	4#	1.98	/	Pass
		5#	1.96	/	
		6#	1.91	/	
	S.W.	10#	2.22	/	
		11#	1.98	/	
		12#	1.35	/	
	M.S. + T.C.	16#	/	2.21	
		17#	/	2.68	
		18#	/	2.09	
Flow rate of test aerosol: 95.0 L/min					

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

Appendix 2: Summarization of Test Data

Flammability

Condition	Sample No.	Result	Assessment
A.R.	31#	Flammable, burn for no more than 5 s	Pass
	32#	Flammable, burn for no more than 5 s	
T.C.	33#	Flammable, burn for no more than 5 s	
	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 space) shall not exceed an average of 1.0 % (by volume).	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result	Assessment
A.R.	19#	0.43%	Pass
	20#	0.39%	
	21#	0.39%	
		Mean value: 0.40%	

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 masks and shall meet the requirements as the following table.				Detail refer to Appendix 4	Pass
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 4: Summarization of Test Data

Specimen	Condition	Inhalation(mbar)		Exhalation resistance(mbar)				
		At 30 L/min	At 95 L/min	At 160 L/min				
				A	B	C	D	E
22#	A.R.	0.38	1.33	2.01	2.01	2.00	1.99	1.99
23#		0.37	1.33	2.01	2.00	2.01	2.00	1.99
24#		0.39	1.34	2.02	2.02	2.01	2.01	2.00
25#	S.W.	0.39	1.34	2.02	2.01	2.02	2.01	2.00
26#		0.39	1.33	2.02	2.01	2.01	2.00	2.00
27#		0.40	1.34	2.03	2.02	2.03	2.02	2.01
28#	T.C.	0.36	1.29	1.92	1.91	1.92	1.91	1.90
29#		0.35	1.28	1.91	1.90	1.91	1.90	1.89
30#		0.36	1.30	1.92	1.91	1.92	1.91	1.90
/	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

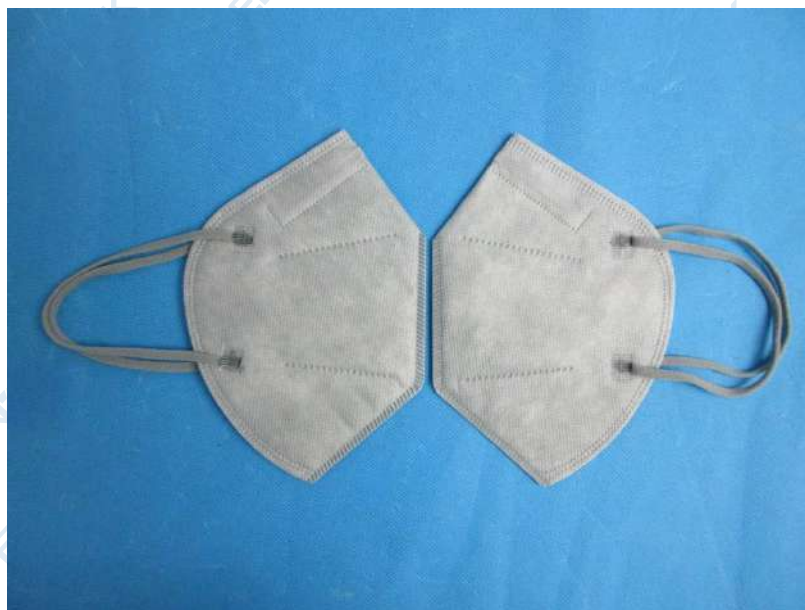
Sample photo(s):

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.

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;JD-99(BK);JD-99(V); JD-99(B); JD-99(Y); JD-99(R); JD-99(P);JD-99(G)
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: 655 Pcs
C2 Sampling done by
APPLUS+ with ID 21/32306565
number :
Sample Received Nov. 03, 2021
Date:
Testing Period: Nov. 03, 2021~ Nov. 08, 2021

Test Requirement:

According to the requirement of the Module C2 (SPC CE-062_EN M6 PPE) of Applus+, 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: _____

2021-11-08

Sample list

Sample No.	Model	Description
1#	JD-99(P)	Pink mask
2#	JD-99(P)	Pink mask
3#	JD-99(P)	Pink mask
4#	JD-99(P)	Pink mask
5#	JD-99(P)	Pink mask
6#	JD-99(G)	Grey mask
7#	JD-99(G)	Grey mask
8#	JD-99(G)	Grey mask
9#	JD-99(G)	Grey mask
10#	JD-99(G)	Grey mask
11#	JD-99(R)	Red mask
12#	JD-99(R)	Red mask
13#	JD-99(P)	Purple mask
14#	JD-99(P)	Purple mask
15#	JD-99(P)	Purple mask
16#	JD-99(BK)	Black mask
17#	JD-99(BK)	Black mask
18#	JD-99(BK)	Black mask
19#	JD-99(P)	Purple mask
20#	JD-99(P)	Purple mask
21#	JD-99(P)	Purple mask
22#	JD-99(BK)	Black mask
23#	JD-99(BK)	Black mask
24#	JD-99(BK)	Black mask
25#	JD-99	White mask
26#	JD-99	White mask
27#	JD-99	White mask
28#	JD-99(Y)	Yellow mask
29#	JD-99(Y)	Yellow mask
30#	JD-99(Y)	Yellow mask
31#	JD-99(R)	Red mask
32#	JD-99(R)	Red mask

33#	JD-99(R)	Red mask
34#	JD-99(R)	Red mask
35#	JD-99(B)	Blue mask
36#	JD-99(B)	Blue mask
37#	JD-99(B)	Blue mask

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 %

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

Test Result

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

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 disinfecting agents and procedures to be specified by the manufacturer. With reference to 7.9.2, after cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class.	Not applicable (Not designed to be re-usable)	N.A.

Clause 7.7 Practical Performance

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

Test Requirement	Results	Comment
	Sample 11#~12#:	
General: a) head harness comfort b) security of fastenings c) field of vision d) any other comments reported by the wearer on request.	No imperfections	Pass
Walking Test: 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.	No imperfections	
Work Simulation Test: a) walking on the level with headroom of (1.3 ± 0.2)m for 5min b) crawling on the level with headroom of (0.7 ± 0.05)m for 5min c) filling a small basket (see Figure 1, approximate volume = 8 L) with chippings or other suitable material from a hopper	No imperfections	

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.

Clause 7.9.1 Total Inward Leakage

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

Test Requirement	Results
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: 25% for FFP1 11% for FFP2 5% for FFP3 and, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than: 22% for FFP1 8% for FFP2 2% for FFP3	Detail refer to Appendix 1

Appendix 1: Summarization of Test Data

Subject	Sample	Condition	Normal Breathing (%)	Head Side/Side (%)	Head Up/Down (%)	Speak Loudly (%)	Normal Breathing (%)	Mean (%)	Comment
Zhang	1#	A.R.	3.0	3.7	3.9	4.0	3.4	3.60	Pass
Fan	2#	A.R.	2.5	2.9	3.0	3.4	2.8	2.92	
Yang	3#	A.R.	3.5	3.9	4.0	4.3	3.6	3.86	
Huang	4#	A.R.	4.1	4.5	4.7	5.0	4.3	4.52	
Yan	5#	A.R.	3.2	3.5	3.8	4.2	3.4	3.62	
Shi	6#	T.C.	2.8	3.0	3.1	3.5	3.0	3.08	Pass
Huang	7#	T.C.	3.9	4.3	4.5	4.9	4.0	4.32	
Chen	8#	T.C.	3.3	3.4	3.6	4.1	3.5	3.58	
Lei	9#	T.C.	3.7	4.2	4.3	4.4	3.9	4.10	
Shen	10#	T.C.	3.5	3.8	4.0	4.3	3.4	3.80	

Facial Dimension:

Subject	Length of Face (mm)	Width of Face (mm)	Depth of Face (mm)	Width of Mouth (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	103	136	105	52
Chen	115	135	121	57
Lei	111	137	121	53
Shen	112	138	110	54

Clause 7.9.2 Penetration of Filter Material

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

Test Requirement			Results
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table.			Detail refer to Appendix 2
Classification	Maximum penetration of test aerosol(%)		
	Sodium chloride test 95 L/min	Paraffin oil test 95 L/min	
FFP1	20	20	
FFP2	6	6	
FFP3	1	1	

Appendix 2: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)		Assessment
			Average in 30s after 3 min	Max. during exposure	
Sodium chloride test	A.R.	13#	0.08	/	Pass
		14#	0.07	/	
		15#	0.08	/	
	S.W.	19#	0.15	/	
		20#	0.16	/	
		21#	0.14	/	
	M.S. + T.C.	25#	/	0.42	Pass
		26#	/	0.46	
		27#	/	0.44	
Paraffin oil test	A.R.	16#	0.64	/	Pass
		17#	0.63	/	
		18#	0.61	/	
	S.W.	22#	0.83	/	
		23#	0.82	/	
		24#	0.83	/	
	M.S. + T.C.	28#	/	3.03	Pass
		29#	/	3.23	
		30#	/	3.06	
Flow rate of test aerosol: 95.0 L/min					

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 shall not be known to be likely to cause irritation or any other adverse effect to health.	No irritation or any other adverse effect to health.	Pass

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 particle filtering half mask shall not burn or not to continue on burn for more than 5 s after removal from the flame.	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Flammability

Condition	Sample No.	Result	Assessment
A.R.	31#	Flammable, burn for no more than 5 s	Pass
	32#	Flammable, burn for no more than 5 s	
T.C.	33#	Flammable, burn for no more than 5 s	
	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 space) shall not exceed an average of 1,0 % (by volume).	Detail refer to Appendix 4	Pass

Appendix 4: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result	Assessment
A.R.	35#	0.47%	Pass
	36#	0.49%	
	37#	0.51%	
		Mean value: 0.49%	

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	Pass
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 inward leakage requirements for the device.	Comply	

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 performance.	Comply	Pass

Sample photo(s):



Fig.1(Pink mask)



Fig.2(Pink mask)



Fig.3(Pink mask)



Fig.4(Pink mask)



Fig.5(Pink mask)



Fig.6(Pink mask)



Fig.7(Grey mask)



Fig.8(Grey mask)



Fig.9(Grey mask)



Fig.10(Grey mask)



Fig.11(Grey mask)



Fig.12(Grey mask)



Fig.13(Red mask)



Fig.14(Red mask)



Fig.15(Red mask)



Fig.16(Red mask)

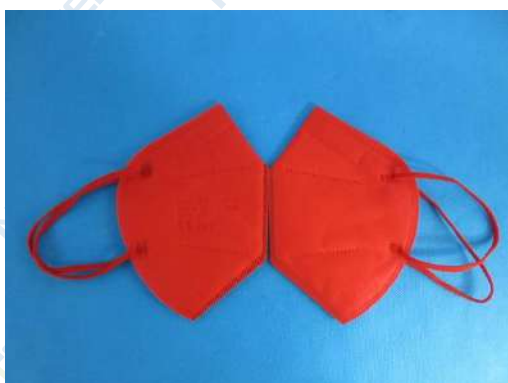


Fig.17(Red mask)



Fig.18(Red mask)



Fig.19(Purple mask)



Fig.20(Purple mask)



Fig.21(Purple mask)



Fig.22(Purple mask)



Fig.23(Purple mask)



Fig.24(Purple mask)



Fig.25(Black mask)



Fig.26(Black mask)



Fig.27(Black mask)



Fig.28(Black mask)



Fig.29(Black mask)



Fig.30(Black mask)



Fig.31(White mask)



Fig.32(White mask)



Fig.33(White mask)



Fig.34(White mask)



Fig.35(White mask)



Fig.36(White mask)



Fig.37(Yellow mask)



Fig.38(Yellow mask)



Fig.39(Yellow mask)



Fig.40(Yellow mask)



Fig.41(Yellow mask)



Fig.42(Yellow mask)



Fig.43 (Blue mask)



Fig.44 (Blue mask)



Fig.45 (Blue mask)



Fig.46 (Blue mask)



Fig.47 (Blue mask)



Fig.48 (Blue mask)

****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.

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: 120 Pcs

Sample Received Date: Aug. 28, 2020
Testing Period: Aug. 28, 2020~ Sep. 02, 2020

Test Requirement:

According to the requirement of the client, the test item(s) of the sample is according to the standard EN149:2001+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: _____

2020-09-09

Summary of assessment*

Clause	Assessment
7.3 Visual inspection	NRq
7.4 Packaging	Pass
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	N.A.

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 are the subject of this report.

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, requirements refer to clause 9 and clause 10.	The clauses were not required.	NRq

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 packaged in such a way that they are protected against mechanical damage and contamination before use.	Comply	Pass

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 is designed to be used.	Comply	Pass
After undergoing the conditioning described in 8.3.1 none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps.	Comply	Pass
When conditioned in accordance with 8.3.1 and 8.3.2 the 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 for the wearer.	Comply	Pass

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 disinfecting agents and procedures to be specified by the manufacturer. With reference to 7.9.2, after cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class.	Not applicable (Not designed to be re-usable)	N.A.

Clause 7.7 Practical Performance

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

Test Requirement	Results	Comment
	Sample 11#~12#:	
General: a) head harness comfort b) security of fastenings c) field of vision d) any other comments reported by the wearer on request.	No imperfections	Pass
Walking Test: 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.	No imperfections	
Work Simulation Test: a) walking on the level with headroom of (1.3 ± 0.2)m for 5min b) crawling on the level with headroom of (0.7 ± 0.05)m for 5min 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.	No imperfections	

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 wearer shall have no sharp edges or burrs.	No sharp edges or burrs	Pass

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 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: 25% for FFP1 11% for FFP2 5% for FFP3 and, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than: 22% for FFP1 8% for FFP2 2% for FFP3	Detail refer to Appendix 1	Pass

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.	4.3	4.6	4.7	4.9	4.4	4.58
Zhou	2#	A.R.	3.7	4.0	4.1	4.3	3.6	3.94
Ma	3#	A.R.	2.8	3.1	3.0	3.3	2.9	3.02
Wu	4#	A.R.	3.3	3.6	3.5	3.8	3.1	3.46
Li	5#	A.R.	4.6	4.9	4.8	5.1	4.5	4.78
Wu	6#	T.C.	5.1	5.3	5.5	5.8	5.2	5.38
Zhai	7#	T.C.	2.4	2.6	2.7	3.0	2.6	2.66
Zheng	8#	T.C.	3.5	3.8	3.7	4.1	3.4	3.70
Huang	9#	T.C.	4.6	4.8	4.9	5.2	4.8	4.86
Wu	10#	T.C.	3.5	3.8	3.9	4.1	3.4	3.74

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	110	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	116	155	112	54
Huang	115	157	118	51
Wu	112	172	118	55

Clause 7.9.2 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 2	Pass
Classification	Maximum penetration of test aerosol			
	Sodium chloride test 95 L/min % max.	Paraffin oil test 95 L/min % max.		
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 2: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)		Assessment
			Average in 30s after 3 min	Max. during exposure	
Sodium chloride test	A.R.	13#	1.0	/	Pass
		14#	1.0	/	
		15#	0.9	/	
	S.W.	19#	0.8	/	
		20#	0.8	/	
		21#	0.8	/	
	M.S. + T.C.	25#	/	0.9	
		26#	/	1.0	
		27#	/	0.9	
Paraffin oil test	A.R.	16#	0.9	/	
		17#	1.0	/	
		18#	0.9	/	
	S.W.	22#	0.7	/	
		23#	0.9	/	
		24#	0.5	/	
	M.S. + T.C.	28#	/	2.9	
		29#	/	4.1	
		30#	/	2.7	
Flow conditioning: 95.0 L/min					

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 shall not be known to be likely to cause irritation or any other adverse effect to health.	No irritation or any other adverse effect to health.	Pass

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 particle filtering half mask shall not burn or not to continue on burn for more than 5 s after removal from the flame.	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Flammability

Condition	Sample No.	Result	Assessment
A.R.	31#	Nonflammable	Pass
	32#	Flammable, burn for no more than 5 s	
T.C.	33#	Flammable, burn for no more than 5 s	
	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 space) shall not exceed an average of 1.0 % (by volume)	Detail refer to Appendix 4	Pass

Appendix 4: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result	Assessment
A.R.	35#	0.53%	Pass
	36#	0.51%	
	37#	0.48%	
		Mean value: 0.51%	

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	Pass
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 inward leakage requirements for the device.	Comply	

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 performance	Comply	Pass

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

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 masks and shall meet the requirements as the following table.				Detail refer to Appendix 5	Pass
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 5: Summarization of Test Data

Specimen	Condition	Inhalation(mbar)		Exhalation resistance(mbar)				
		At 30 L/min	At 95 L/min	At 160 L/min				
				A	B	C	D	E
38#	A.R.	0.2	0.7	1.2	1.2	1.2	1.2	1.2
39#		0.2	0.7	1.2	1.2	1.2	1.2	1.2
40#		0.2	0.7	1.2	1.2	1.2	1.2	1.2
41#	S.W.	0.2	0.8	1.1	1.1	1.1	1.1	1.1
42#		0.3	0.8	1.1	1.1	1.1	1.1	1.1
43#		0.3	0.8	1.1	1.1	1.1	1.1	1.1
44#	T.C.	0.2	0.7	1.0	1.0	1.0	1.0	1.0
45#		0.2	0.7	1.0	1.0	1.0	1.0	1.0
46#		0.2	0.7	1.0	1.0	1.0	1.0	1.0
/	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

Clause 7.17 Clogging

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

Test Requirement			Results	Comment
Clause 7.17.2 Breathing resistance Valved particle filtering half masks: After clogging the inhalation resistances shall not exceed: FFP1: 4 mbar, FFP2: 5 mbar, FFP3: 7 mbar at 95L/min continuous flow The exhalation resistance shall not exceed 3 mbar at 160 L/min continuous flow. Valveless particle filtering half masks: After clogging the inhalation and exhalation resistances shall not exceed: FFP1: 3 mbar, FFP2: 4 mbar, FFP3: 5 mbar at 95L/min continuous flow			Requirement not applicable.	N.A.
Test Requirement			Results	Comment
Clause 7.17.3 Penetration of filter material All types (valved and valveless) of particle filtering half masks claimed to meet the clogging requirement shall also meet the requirements.			Requirement not applicable.	N.A.
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		

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 and secured, where possible by hand	No detachable part	N.A.

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.

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#:	
General: a) head harness comfort b) security of fastenings c) field of vision d) any other comments reported by the wearer on request.	No imperfections	Pass
Walking Test: 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.	No imperfections	
Work Simulation Test: a) walking on the level with headroom of (1.3 ± 0.2) m for 5min b) crawling on the level with headroom of (0.7 ± 0.05) m for 5min 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.	No imperfections	

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 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: 25% for FFP1 11% for FFP2 5% for FFP3 and, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than: 22% for FFP1 8% for FFP2 2% for FFP3	Detail refer to Appendix 1	Pass

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****

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.

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(BK)
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: 70 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



Summary of assessment*

Clause	Assessment
7.9.2 Penetration of filter material	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.

Test Result

Clause 7.9.2 Penetration of Filter Material

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

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	Pass
Classification	Maximum penetration of test aerosol(%)			
	Sodium chloride test 95 L/min	Paraffin oil test 95 L/min		
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 1: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)		Assessment
			Average in 30s after 3 min	Max. during exposure	
Sodium chloride test	A.R.	1#	0.77	/	Pass
		2#	0.76	/	
		3#	0.75	/	
	S.W.	7#	0.79	/	
		8#	0.78	/	
		9#	0.77	/	
	M.S. + T.C.	13#	/	0.83	
		14#	/	0.81	
		15#	/	0.85	
Paraffin oil test	A.R.	4#	2.12	/	Pass
		5#	2.16	/	
		6#	1.98	/	
	S.W.	10#	2.12	/	
		11#	1.85	/	
		12#	2.14	/	
	M.S. + T.C.	16#	/	3.20	
		17#	/	2.51	
		18#	/	2.30	
Flow rate of test aerosol: 95.0 L/min					

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 space) shall not exceed an average of 1.0 % (by volume).	Detail refer to Appendix 2	Pass

Appendix 2: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result		Assessment
A.R.	19#	0.52%	Mean value: 0.51%	Pass
	20#	0.51%		
	21#	0.51%		

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 masks and shall meet the requirements as the following table.				Detail refer to Appendix 3	Pass
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 3: Summarization of Test Data

Specimen	Condition	Inhalation(mbar)		Exhalation resistance(mbar)				
		At 30 L/min	At 95 L/min	At 160 L/min				
				A	B	C	D	E
22#	A.R.	0.30	1.05	1.55	1.54	1.55	1.54	1.53
23#		0.29	1.04	1.53	1.52	1.53	1.52	1.51
24#		0.29	1.04	1.54	1.53	1.54	1.53	1.52
25#	S.W.	0.31	1.06	1.57	1.57	1.56	1.56	1.55
26#		0.30	1.04	1.55	1.54	1.55	1.54	1.53
27#		0.30	1.05	1.56	1.56	1.55	1.55	1.54
28#	T.C.	0.27	1.00	1.48	1.48	1.47	1.46	1.46
29#		0.26	0.99	1.47	1.46	1.47	1.46	1.45
30#		0.26	1.00	1.47	1.47	1.46	1.45	1.45
/	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

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.