



Notified Body No. 0370

CERTIFICADO DE EXAMEN UE DE TIPO

EU-TYPE EXAMINATION CERTIFICATE

No. **0370-5397-PPE/B**

ORGANISMO NOTIFICADO Nº <i>NOTIFIED BODY NUMBER</i>	0370 - LGAI TECHNOLOGICAL CENTER (APPLUS)
SOLICITANTE / FABRICANTE <i>APPLICANT / MANUFACTURER</i>	Wenzhou Jiada Technology Co., Ltd No.401, Building 19th, Rainbow Wisdom Park, Longgang City, Cangnan Area, Wenzhou City, Zhejiang Province, China.
PLANTA DE PRODUCCIÓN <i>PRODUCTION SITE</i>	Wenzhou Jiada Technology Co., Ltd No.401, Building 19th, Rainbow Wisdom Park, Longgang City, Cangnan Area, Wenzhou City, Zhejiang Province, China.
REGLAMENTO DE APLICACIÓN PARA DAR LA CONFORMIDAD / APPLICABLE REGULATION TO GIVE CONFORMITY: REGLAMENTO (UE) 2016/425 SOBRE LOS EQUIPOS DE PROTECCIÓN INDIVIDUAL <i>REGULATION (EU) 2016/425 PERSONAL PROTECTIVE EQUIPMENT</i>	
PROCEDIMIENTO DE EVALUACIÓN DE LA CONFORMIDAD <i>CONFORMITY ASSESSMENT PROCEDURE</i>	Módulo // <i>Module:</i> B EXAMEN UE DE TIPO / EU TYPE EXAMINATION
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) <i>IDENTIFICATION OF THE PPE (TYPE NUMBER)</i>	Ref.: JD-99(S) FILTERING HALF MASK
NIVEL O NIVELES DE RENDIMIENTO O LA CLASE DE PROTECCIÓN DEL EPI / PERFORMANCE LEVEL OR PROTECTION CLASS OF THE PPE	FFP2 NR
NORMAS ARMONIZADAS / HARMONISED STANDARDS	EN 149:2001 + A1:2009 Dispositivos de protección respiratoria. Medias máscaras filtrantes de protección contra partículas. Requisitos, ensayos, marcado. <i>EN 149:2001 + A1:2009 Respiratory protective devices. Filtering half masks to protect against particles. Requirements, testing, marking</i>
FECHA DE EMISIÓN / ISSUE DATE	16/03/2021
VALIDEZ HASTA / VALIDITY UNTIL	16/03/2026
<p>El presente certificado se mantendrá vigente durante 5 años siempre que el producto descrito no sea modificado y cumpla los requisitos esenciales de salud y seguridad establecidos en el Reglamento (UE) 2016/425. Para asegurar dicho cumplimiento, este certificado deberá ir acompañado de la documentación correspondiente a la Evaluación de Conformidad con el tipo según módulo C2, D (realizada por un Organismo Notificado, según frecuencia establecida).</p> <p><i>This certificate will remain valid for 5 years as long as the indicated product is not modified and fulfills the essential requirements of health and safety established in (EU) Regulation 2016/425. To ensure such compliance, this certificate must be accompanied by the documentation corresponding to the Conformity Assessment to type according to C2, D (carried out by a Notified Body according, to the established frequency).</i></p>	



LGAI Technological Center, S.A.

Xaviér Ruiz Peña
Managing Director, Product Conformity B.U.



Este documento carece de validez sin su anexo técnico, cuyo número coincide con el del certificado.
This document is not valid without its technical annex, whose number coincides with the number of certificate.

Puede comprobarse la validez de este certificado en nuestra página web / *You can check the validity of this certificate on our website:*
www.appluslaboratories.com/certified_products

ANEXO TÉCNICO
TECHNICAL ANNEX

0370-5397-PPE/B

I. MODELOS INCLUIDOS EN EL CERTIFICADO

REFERENCES INCLUDED IN THIS CERTIFICATE

MARCA <i>BRAND</i>	JADA
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) <i>IDENTIFICATION OF THE PPE (TYPE NUMBER)</i>	Ref.: JD-99(S) FILTERING HALF MASK
NIVEL O NIVELES DE RENDIMIENTO O LA CLASE DE PROTECCIÓN DEL EPI <i>PERFORMANCE LEVEL OR PROTECTION CLASS OF THE PPE</i>	FFP2 NR
DESCRIPCIÓN <i>DESCRIPTION</i>	MEDIA MÁSCARA FILTRANTE, SIN VÁLVULA, PLEGADO VERTICAL, 4 CAPAS, BLANCA CON ESTAMPADO DINOSAURIO, CON LAZO DE ORJEA, CLIP NASAL INTERIOR. TAMAÑO: 102mm*125mm // VALVELESS FILTERING HALF MASK, VERTICAL FOLD, 4 LAYERS, WHITE WITH DINOSAUR PATTERN, WITH EARLOOPS, INTERIOR NOSE CLIP. SIZE: 102mm*125mm
INFORME DE ENSAYO <i>TEST REPORT</i>	PTC21030401201C-EN01 issued by Precise Testing & Certification (Guangdong) Co., Ltd. (PTC).



Organismo Notificado N° 0370

CERTIFICADO DE CONFORMIDAD CON EL TIPO CONFORMITY TO TYPE CERTIFICATE

No. **0370- 5561-PPE/C2**

ORGANISMO NOTIFICADO N° <i>NOTIFIED BODY NUMBER</i>	0370 - LGAI TECHNOLOGICAL CENTER (APPLUS)
SOLICITANTE / FABRICANTE <i>APPLICANT / MANUFACTURER</i>	Wenzhou Jiada Technology Co., Ltd. No.401, Building 19th, Rainbow Wisdom Park, Longgang City, Cangnan Area, Wenzhou City, Zhejiang Province, China.
PLANTA DE PRODUCCIÓN <i>PRODUCTION SITE</i>	Wenzhou Jiada Technology Co., Ltd. No.401, Building 19th, Rainbow Wisdom Park, Longgang City, Cangnan Area, Wenzhou City, Zhejiang Province, China.
REGLAMENTO DE APLICACIÓN PARA DAR LA CONFORMIDAD / APPLICABLE REGULATION TO GIVE CONFORMITY: REGLAMENTO (UE) 2016/425 SOBRE LOS EQUIPOS DE PROTECCIÓN INDIVIDUAL <i>REGULATION (EU) 2016/425 PERSONAL PROTECTIVE EQUIPMENT</i>	
PROCEDIMIENTO DE EVALUACIÓN DE LA CONFORMIDAD CON EL TIPO <i>CONFORMITY ASSESSMENT PROCEDURE TO TYPE</i>	Módulo // <i>Module:</i> C2 BASADA EN EL CONTROL INTERNO DE LA PRODUCCIÓN MÁS EL CONTROL SUPERVISADO DE LOS PRODUCTOS A INTERVALOS ALEATORIOS <i>BASED ON INTERNAL PRODUCTION CONTROL PLUS SUPERVISED CONTROL OF PRODUCTS AT ALEATORY INTERVALS</i>
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) <i>IDENTIFICATION OF THE PPE (TYPE NUMBER)</i>	Ref.: JD-99(S) FILTERING HALF MASK
NIVEL O NIVELES DE RENDIMIENTO O LA CLASE DE PROTECCIÓN DEL EPI <i>PERFORMANCE LEVEL OR PROTECTION CLASS OF THE PPE</i>	FFP2 NR
FECHA DE EMISIÓN / ISSUE DATE	12/04/2021
VALIDEZ HASTA / VALIDITY UNTIL:	12/04/2022
El presente certificado se mantendrá vigente durante 1 año siempre que no se modifiquen las condiciones establecidas en el Certificado de Examen UE de Tipo referenciado en el Anexo. <i>This certificate will remain in force for 1 year as long as the conditions established in the EU Type certificate referenced in the annex are not modified.</i>	




LGAi Technological Center, S.A.
Xavier Ruiz Peña
Managing Director, Product Conformity B.U.



Este documento carece de validez sin su anexo técnico, cuyo número coincide con el del certificado.
This document is not valid without its technical annex, whose number coincides with the number of certificate.

Puede comprobarse la validez de este certificado en nuestra página web / *You can check the validity of this certificate on our website:*
www.appluslaboratories.com/certified_products

ANEXO TÉCNICO TECHNICAL ANNEX

0370- 5561-PPE/C2

I. MODELOS INCLUIDOS EN EL CERTIFICADO

REFERENCES INCLUDED IN THIS CERTIFICATE

Nº CERTIFICADO DE EXAMEN UE DE TIPO <i>NR. EU TYPE EXAMINATION CERTIFICATE</i>	0370-5397-PPE/B
EMITIDO POR <i>ISSUED BY</i>	LGAI TECHNOLOGICAL CENTER S.A. (APPLUS) (Organismo notificado nº 0370 / Notified Body nr. 0370).
FECHA EMISIÓN <i>ISSUE DATE</i>	16/03/2021
VALIDEZ HASTA <i>VALIDITY UNTIL</i>	16/03/2026
MARCA <i>BRAND</i>	JADA
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) <i>IDENTIFICATION OF THE PPE (TYPE NUMBER)</i>	Ref.: JD-99(S) FILTERING HALF MASK
NIVEL O NIVELES DE RENDIMIENTO O LA CLASE DE PROTECCIÓN DEL EPI / PERFORMANCE LEVEL OR PROTECTION CLASS OF THE PPE	FFP2 NR
DESCRIPCIÓN <i>DESCRIPTION</i>	MEDIA MÁSCARA FILTRANTE, SIN VÁLVULA, PLEGADO VERTICAL, 4 CAPAS, BLANCA CON ESTAMPADO DINOSAURIO, CON LAZO DE ORJEA, CLIP NASAL INTERIOR. TAMAÑO: 102mm*125mm VALVELESS FILTERING HALF MASK, VERTICAL FOLD, 4 LAYERS, WHITE WITH DINOSAUR PATTERN, WITH EARLOOPS, INTERIOR NOSE CLIP. SIZE: 102mm*125mm
INFORME DE ENSAYO DE CONFORMIDAD CON EL TIPO <i>CONFORMITY TO TYPE TEST REPORT</i>	PTC21032205601C-EN01 issued by Precise Testing & Certification (Guangdong) Co., Ltd. (PTC).

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

EU DECLARATION OF CONFORMITY

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

2. Name and address of the manufacturer:

Name- Wenzhou Jiada Technology Co.,Ltd

Address : No.401, Building 19th, Rainbow Wisdom Park, Longgang City, Cangnan Area, 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(S),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(S),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 PRODUCTIONCONTROL PLUS SUPERVISED CONTROL OF PRODUCTS AT ALEATORY INTERVALS (Module C2)

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

- No.401, Building 19th, Rainbow Wisdom Park, Longgang City, Cangnan Area, Wenzhou City, Zhejiang Province, China.

Place and date of issue:Wenzhou

(Signature & Stamp)


2021.05.16.



中国认可
国际互认
检测
TESTING
CNAS L5772

Test Report

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

Product Name: FILTERING HALF MASK
Report No.: PTC21030401201C-EN01
Client: Wenzhou Jiada Technology Co.,Ltd
Client Address: No.401, Building 19th, Rainbow Wisdom Park, Longgang City, Cangnan Area, Wenzhou City, Zhejiang Province, China.
Manufacturer: Wenzhou Jiada Technology Co.,Ltd
Manufacturer Address: No.401, Building 19th, Rainbow Wisdom Park, Longgang City, Cangnan Area, Wenzhou City, Zhejiang Province, China.
Contact: Yang
Model(s): JD-99(S)
Classification: FFP2 NR
Date of Tests: 2021.03.04~2021.03.11

Signed for and on Behalf of PTC

Prepare by:

Arme

Checked by:

Jue

Approved by:

Jim Mo



This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted.
The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.ptc-testing.com](http://www.ptc-testing.com)



Test Report

Report No.:PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 2 of 14

Summary of assessment

Clause	Assessment
7.3 Visual inspection	NOT TESTED
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	N/A
7.16 Breathing resistance	PASS
7.17 Clogging	N/A
7.18 Demountable parts	N/A
9 Marking	NOT TESTED

Remark:

PASS: comply with requirement of standard

N/A: not application

NOT TESTED: the clause were not required

This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted.

The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.ptc-testing.com](http://www.ptc-testing.com)



Test Report

Report No.:PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 3 of 14

Test Result:

Requirement	Test Result	Conclusion
7.3 Visual inspection The visual inspection shall also include the marking and the information supplied by the manufacturer.	Not tested	Not tested
7.4 Packaging 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.	In accordance with the requirement.	Pass
7.5 Material 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. Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer. 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. When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.	No mechanical failure after undergoing the conditioning described in 8.3.1, No collapse when conditioned in accordance with 8.3.1 and 8.3.2.	Pass
7.6 Cleaning and disinfecting 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.	Single shift use only	N/A
7.7 Practical performance The particle filtering half mask shall undergo practical performance tests under realistic conditions	No imperfections	Pass
7.8 Finish of parts 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

This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted.
The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.ptc-testing.com](http://www.ptc-testing.com)



Test Report

Report No.:PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 4 of 14

7.9.1 Total inward leakage

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

FFP2, Test results are shown in Annex A Table 7.9.1-A&B **Pass**

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.

7.9.2 Penetration of filter material

The penetration of the filter of the particle filtering half mask shall meet the requirements of Table 1.

	Sodium chloride test 95 l/min	Paraffin oil test 95 l/min
FFP1	≤ 20%	≤ 20%
FFP2	≤ 6%	≤ 6%
FFP3	≤ 1%	≤ 1%

FFP2, Test results are shown in Annex A Table 7.9.2. **Pass**

7.10 Compatibility with skin

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**

7.11 Flammability

When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5 s after removal from the flame.

Test results are shown in Annex A Table 7.11. **Pass**

7.12 Carbon dioxide content of the inhalation air

The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume)

Test results are shown in Annex A Table 7.12. **Pass**

7.13 Head harness

The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.

Head harness can be donned and removed easily, adjustable or self-adjusting and **Pass**

The head harness shall be adjustable or self-adjusting and shall be

This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted. The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 http:// www.ptc-testing.com



Test Report

Report No.:PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 5 of 14

sufficiently robust to hold the particle filtering half mask firmly in position and be capable of maintaining total inward leakage requirements for the device.

have sufficiently robust to hold the particle filtering half mask firmly.

7.14 Field of vision

The field of vision is acceptable if determined so in practical performance tests.

Pass the practical performance tests.

Pass

7.15 Exhalation valve

A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.

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 exhalation valve

N/A

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.

When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10 N applied for 10 s.

7.16 Breathing resistance

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

FFP2. Test results are shown in Annex A Table 7.16.

Pass

7.17 Clogging

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

Single shift use only.

N/A

This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted. The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 http:// www.ptc-testing.com



Test Report

Report No.:PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 6 of 14

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

7.17.3 Penetration of filter material

	Sodium chloride test 95 l/min	Paraffin oil test 95 l/min
FFP1	≤ 20%	≤ 20%
FFP2	≤ 6%	≤ 6%
FFP3	≤ 1%	≤ 1%

7.18 Demountable parts

All demountable parts (if fitted) shall be readily connected and secured, where possible by hand

No demountable parts.

N/A

9 Marking

9.1 Packaging

The following information shall be clearly and durably marked on the smallest commercially available packaging or legible through it if the packaging is transparent.

9.1.1 The name, trademark or other means of identification of the manufacturer or supplier.

9.1.2 Type-identifying marking.

9.1.3 Classification

The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable.

Example: FFP2 R D.

9.1.4 The number and year of publication of this European Standard.

9.1.5 At least the year of end of shelf life. The end of shelf life may be informed by a pictogram as shown in Figure 12a, where yyyy/mm indicates the year and month.

9.1.6 The sentence 'see information supplied by the manufacturer', at least in the official language(s) of the country of destination, or by using

Not tested

Not tested

This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted. The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 http:// www.ptc-testing.com



Test Report

Report No.:PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 7 of 14

the pictogram as shown in Figure 12b.

9.1.7 The manufacturer's recommended conditions of storage (at least the temperature and humidity) or equivalent pictogram, as shown in Figures 12c and 12d.

9.1.8 The packaging of those particle filtering half masks passing the dolomite clogging test shall be additionally marked with the letter "D". This letter shall follow the classification marking preceded by a single space.

9.2 Particle filtering half mask

Particle filtering half masks complying with this European Standard shall be clearly and durably marked with the following:

9.2.1 The name, trademark or other means of identification of the manufacturer or supplier.

9.2.2 Type-identifying marking.

9.2.3 The number and year of publication of this European Standard.

9.2.4 Classification

The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D.

9.2.5 If appropriate the letter D (dolomite) in accordance with clogging performance. This letter shall follow the classification marking preceded by a single space.

9.2.6 Sub-assemblies and components with considerable bearing on safety shall be marked so that they can be identified.

This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted.
The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.ptc-testing.com](http://www.ptc-testing.com)



Test Report

Report No.:PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 8 of 14

Annex A: Summarization of Test Data

Table 7.9.1-A: Inward Leakage Test Data

Test specification: EN 149:2001+A1:2009 Clause 8.5

Subject	Sample No.	Condition	Walk (%)	Head Side/side (%)	Head up/down (%)	Talk (%)	Walk (%)	Mean (%)
Shi	1	A.R	4.5	5.2	6.0	6.4	4.5	5.3
Li	2	A.R	3.7	4.8	5.3	5.6	3.8	4.6
Liu	3	A.R	4.2	5.2	5.6	5.6	4.6	5.0
Liu	4	A.R	5.5	6.2	6.7	6.1	4.6	5.8
Zhang	5	A.R	4.3	5.2	5.9	6.0	5.8	5.4
Xu	6	T.C	4.2	5.3	5.6	6.1	4.2	5.1
Wu	7	T.C	5.1	5.4	6.0	6.5	3.9	5.4
Yu	8	T.C	3.8	4.7	4.5	5.1	3.7	4.4
Li	9	T.C	4.3	5.3	6.2	5.9	4.3	5.2
Lu	10	T.C	3.6	4.8	5.1	5.2	3.4	4.4

Table 7.9.1-B: Facial dimension

Subject	Face Length	Face Width	Face Depth	Mouth Width
Shi	102	127	72	47
Li	100	116	82	51
Liu	101	114	73	47
Liu	104	117	76	46
Zhang	107	123	84	52
Xu	98	120	83	54
Wu	102	113	82	53
Yu	103	117	84	51
Li	103	116	83	48
Lu	102	116	74	52

This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted.
The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.ptc-testing.com](http://www.ptc-testing.com)



Test Report

Report No.:PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 9 of 14

Table 7.9.2: Penetration of filter material

Test specification: EN 149:2001+A1:2009 Clause 8.11

Aerosol	Condition	Sample No.	Penetration (%)	Assessment
Sodium chloride test	As received	11	0.1	Pass
		12	0.1	
		13	0.1	
	Simulated wearing treatment	14	0.1	
		15	0.2	
		16	0.3	
	Mechanical strength + Temperature conditioned	17	2.0	
		18	1.6	
		19	1.9	
Paraffin oil test	As received	20	0.2	
		21	0.3	
		22	0.3	
	Simulated wearing treatment	23	1.1	
		24	1.0	
		25	1.0	
	Mechanical strength + Temperature conditioned	26	4.2	
		27	3.9	
		28	4.4	

This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted.
The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)
 Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
 Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.ptc-testing.com](http://www.ptc-testing.com)



Test Report

Report No.:PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 10 of 14

Table 7.11: Flammability

Test specification: EN 149:2001+A1:2009 Clause 8.6

Condition	Sample No.	Result	Assessment
As received	29	No burn	Pass
	30	No burn	
Temperature conditioned	31	No burn	
	32	No burn	

Table 7.12: Carbon dioxide content of the inhalation air

Test specification: EN 149:2001+A1:2009 Clause 8.7

Condition	Sample No.	Result (%)		Assessment
As received	33	0.05	Mean value: 0.05	Pass
	34	0.05		
	35	0.05		

This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted.
The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.ptc-testing.com](http://www.ptc-testing.com)



Test Report

Report No.: PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 11 of 14

Table 7.16: Breathing resistance (mbar)

Test specification: EN 149:2001+A1:2009 Clause 8.9

As received	Flow Rate		36					37					38				
	Inhalation	30 l/min	0.36					0.39					0.38				
		95 l/min	1.35					1.37					1.40				
Exhalation	160 l/min	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
		1.99	2.01	2.00	2.04	2.00	1.96	1.93	1.92	1.95	1.95	2.06	2.02	2.01	2.02	2.00	
Simulated wearing treatment	Flow Rate		39					40					41				
	Inhalation	30 l/min	0.40					0.41					0.39				
		95 l/min	1.37					1.36					1.33				
Exhalation	160 l/min	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
		1.87	1.90	1.91	1.92	1.92	1.84	1.86	1.87	1.84	1.86	1.87	1.87	1.85	1.89	1.86	
Temperature conditioned	Flow Rate		42					43					44				
	Inhalation	30 l/min	0.25					0.28					0.26				
		95 l/min	1.06					1.03					1.08				
Exhalation	160 l/min	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
		1.69	1.70	1.70	1.69	1.69	1.74	1.73	1.70	1.75	1.73	1.73	1.71	1.70	1.70	1.70	
Assessment	Pass																

A: Facing directly ahead B: Facing vertically upwards C: Facing vertically downwards

D: Lying on the left side E: Lying on the right side

This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted.
The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.ptc-testing.com](http://www.ptc-testing.com)



Test Report

Report No.:PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 12 of 14

Test	Uncertainty
Total inward leakage	3.8%
Penetration of filter material(NaCl)	3.5%
Penetration of filter material(Paraffin oil)	4.2%
Carbon dioxide content of the inhalation air	4.5%
Breathing resistance(30L/min)	5.2%
Breathing resistance(95L/min)	5.4%
Breathing resistance(160)L/min)	6.0%

Photo(s) of Sample:



This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted. The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.ptc-testing.com](http://www.ptc-testing.com)



Test Report

Report No.:PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 13 of 14



This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted. The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.ptc-testing.com](http://www.ptc-testing.com)



Test Report

Report No.:PTC21030401201C-EN01

Issue Date: Mar.12, 2021

Page 14 of 14



End of Report

This report is issued according to the general clauses in www.ptc-testing.com by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted.
The report could not be copied without permission

Precise Testing & Certification (Guangdong) Co., Ltd. (PTC)
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.ptc-testing.com](http://www.ptc-testing.com)