



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 Province, China

Production site

Wenzhou Jiada Technology Co., Ltd.

4th floor, Building 5 ,No.2-58 XingyeRoad, Longgang City,
Wenzhou City, Zhejiang Province, 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: 29/09/2025

First issue date: 14/09/2022

Modification date: 29/09/2025

Validity until: 14/09/2026

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

Nº Certificado de examen UE de tipo 0370-4483-PPE/B

Issue by	LGAI Technological Center S.A. (Notified Body No. 0370)
Issue date	28/09/2020
Validity until	28/09/2025

No. EU type examination Certificate 0370-5103-PPE/B

Issue by	LGAI Technological Center S.A. (Notified Body No. 0370)
Issue date	21/01/2021
Validity until	21/01/2026

No. EU type examination Certificate 0370-5397-PPE/B

Issue by	LGAI Technological Center S.A. (Notified Body No. 0370)
Issue date	16/03/2021
Validity until	16/03/2026

No. EU type examination Certificate 0370-6504-PPE/B

Issue by	LGAI Technological Center S.A. (Notified Body No. 0370)
Issue date	24/08/2022
Validity until	24/08/2027

No. EU type examination Certificate 0370-6507-PPE/B

Issue by	LGAI Technological Center S.A. (Notified Body No. 0370)
Issue date	31/08/2022
Validity until	31/08/2027

No. EU type examination Certificate 0370-7005-PPE/B	
Issue by	LGAI Technological Center S.A. (Notified Body No. 0370)
Issue date	13/12/2023
Validity until	13/12/2028

No. EU type examination Certificate 0370-7381-PPE/B	
Issue by	LGAI Technological Center S.A. (Notified Body No. 0370)
Issue date	20/12/2024
Validity until	20/12/2029

No. EU type examination Certificate 0370-7530-PPE/B	
Issue by	LGAI Technological Center S.A. (Notified Body No. 0370)
Issue date	16/05/2025
Validity until	16/05/2030

No. EU type examination Certificate 0370-7628-PPE/B	
Issue by	LGAI Technological Center S.A. (Notified Body No. 0370)
Issue date	11/07/2025
Validity until	11/07/2030

No. EU type examination Certificate 0370-7666-PPE/B	
Issue by	LGAI Technological Center S.A. (Notified Body No. 0370)
Issue date	08/08/2025
Validity until	08/08/2030

No. EU type examination Certificate 0370-7783-PPE/B	
Issue by	LGAI Technological Center S.A. (Notified Body No. 0370)
Issue date	19/09/2025
Validity until	19/09/2030

No. EU type examination Certificate 0370-7784-PPE/B	
Issue by	LGAi Technological Center S.A. (Notified Body No. 0370)
Issue date	19/09/2025
Validity until	19/09/2030



Notified Body No. 0370

CERTIFICADO DE EXAMEN UE DE TIPO

EU-TYPE EXAMINATION CERTIFICATE

No. **0370-5103-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>	Ver Anexo Técnico See Technical Annex
NIVEL O NIVELES DE RENDIMIENTO O LA CLASE DE PROTECCIÓN DEL EPI / PERFORMANCE LEVEL OR PROTECTION CLASS OF THE PPE	FFP3 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	21/01/2021
FECHA DE MODIFICACIÓN / MODIFICATION DATE	27/04/2021
VALIDEZ HASTA / VALIDITY UNTIL	21/01/2026
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). <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>	




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

0370-5103-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-999 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>	FFP3 NR
DESCRIPCIÓN <i>DESCRIPTION</i>	MEDIA MÁSCARA FILTRANTE SIN VÁLVULA, DE TIPO PLEGABLE VERTICAL, DE 7 CAPAS, DE COLOR BLANCO , CON LAZOS DE OREJA CON GANCHO, CON ALMOHADILLA NASAL Y CLIP NASAL INTERIOR. TAMAÑO: 110mm*163mm VALVELESS FILTERING HALF MASK, VERTICAL FOLDABLE TYPE, 7 LAYERS, WHITE COLOR, WITH EARLOOPS WITH HOOK, NOSE BRIDGE PAD AND INTERIOR NOSE CLIP. SIZE: 110mm*163mm
INFORME DE ENSAYO <i>TEST REPORT</i>	S21011103001E-R1 issued by Shenzhen NTEK Testing Technology Co., Ltd. (NTEK)

MARCA <i>BRAND</i>	JADA™
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) <i>IDENTIFICATION OF THE PPE (TYPE NUMBER)</i>	Ref.: JD-999(V) 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>	FFP3 NR
DESCRIPCIÓN <i>DESCRIPTION</i>	MEDIA MÁSCARA FILTRANTE SIN VÁLVULA, DE TIPO PLEGABLE VERTICAL, DE 7 CAPAS, DE COLOR VIOLETA , CON LAZOS DE OREJA CON GANCHO, CON ALMOHADILLA NASAL Y CLIP NASAL INTERIOR. TAMAÑO: 110mm*163mm VALVELESS FILTERING HALF MASK, VERTICAL FOLDABLE TYPE, 7 LAYERS, VIOLET COLOR, WITH EARLOOPS WITH HOOK, NOSE BRIDGE PAD AND INTERIOR NOSE CLIP. SIZE: 110mm*163mm
INFORME DE ENSAYO <i>TEST REPORT</i>	S21011103001E-R1 & S21032503401E issued by Shenzhen NTEK Testing Technology Co., Ltd. (NTEK)

ANEXO TÉCNICO TECHNICAL ANNEX

0370-5103-PPE/B

MARCA <i>BRAND</i>	JADA™
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) <i>IDENTIFICATION OF THE PPE (TYPE NUMBER)</i>	Ref.: JD-999(B) 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>	FFP3 NR
DESCRIPCIÓN <i>DESCRIPTION</i>	MEDIA MÁSCARA FILTRANTE SIN VÁLVULA, DE TIPO PLEGABLE VERTICAL, DE 7 CAPAS, DE COLOR AZUL , CON LAZOS DE OREJA CON GANCHO, CON ALMOHADILLA NASAL Y CLIP NASAL INTERIOR. TAMAÑO: 110mm*163mm VALVELESS FILTERING HALF MASK, VERTICAL FOLDABLE TYPE, 7 LAYERS, BLUE COLOR, WITH EARLOOPS WITH HOOK, NOSE BRIDGE PAD AND INTERIOR NOSE CLIP. SIZE: 110mm*163mm
INFORME DE ENSAYO <i>TEST REPORT</i>	S21011103001E-R1 & S21032503402E issued by Shenzhen NTEK Testing Technology Co., Ltd. (NTEK)

MARCA <i>BRAND</i>	JADA™
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) <i>IDENTIFICATION OF THE PPE (TYPE NUMBER)</i>	Ref.: JD-999(Y) 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>	FFP3 NR
DESCRIPCIÓN <i>DESCRIPTION</i>	MEDIA MÁSCARA FILTRANTE SIN VÁLVULA, DE TIPO PLEGABLE VERTICAL, DE 7 CAPAS, DE COLOR AMARILLO , CON LAZOS DE OREJA CON GANCHO, CON ALMOHADILLA NASAL Y CLIP NASAL INTERIOR. TAMAÑO: 110mm*163mm VALVELESS FILTERING HALF MASK, VERTICAL FOLDABLE TYPE, 7 LAYERS, YELLOW COLOR, WITH EARLOOPS WITH HOOK, NOSE BRIDGE PAD AND INTERIOR NOSE CLIP. SIZE: 110mm*163mm
INFORME DE ENSAYO <i>TEST REPORT</i>	S21011103001E-R1 & S21032503403E issued by Shenzhen NTEK Testing Technology Co., Ltd. (NTEK)

ANEXO TÉCNICO

TECHNICAL ANNEX

0370-5103-PPE/B

MARCA <i>BRAND</i>	JADA™
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) <i>IDENTIFICATION OF THE PPE (TYPE NUMBER)</i>	Ref.: JD-999(R) 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>	FFP3 NR
DESCRIPCIÓN <i>DESCRIPTION</i>	MEDIA MÁSCARA FILTRANTE SIN VÁLVULA, DE TIPO PLEGABLE VERTICAL, DE 7 CAPAS, DE COLOR ROJO , CON LAZOS DE OREJA CON GANCHO, CON ALMOHADILLA NASAL Y CLIP NASAL INTERIOR. TAMAÑO: 110mm*163mm VALVELESS FILTERING HALF MASK, VERTICAL FOLDABLE TYPE, 7 LAYERS, RED COLOR, WITH EARLOOPS WITH HOOK, NOSE BRIDGE PAD AND INTERIOR NOSE CLIP. SIZE: 110mm*163mm
INFORME DE ENSAYO <i>TEST REPORT</i>	S21011103001E-R1& S21032503404E issued by Shenzhen NTEK Testing Technology Co., Ltd. (NTEK)

MARCA <i>BRAND</i>	JADA™
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) <i>IDENTIFICATION OF THE PPE (TYPE NUMBER)</i>	Ref.: JD-999(P) 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>	FFP3 NR
DESCRIPCIÓN <i>DESCRIPTION</i>	MEDIA MÁSCARA FILTRANTE SIN VÁLVULA, DE TIPO PLEGABLE VERTICAL, DE 7 CAPAS, DE COLOR ROSA , CON LAZOS DE OREJA CON GANCHO, CON ALMOHADILLA NASAL Y CLIP NASAL INTERIOR. TAMAÑO: 110mm*163mm VALVELESS FILTERING HALF MASK, VERTICAL FOLDABLE TYPE, 7 LAYERS, PINK COLOR, WITH EARLOOPS WITH HOOK, NOSE BRIDGE PAD AND INTERIOR NOSE CLIP. SIZE: 110mm*163mm
INFORME DE ENSAYO <i>TEST REPORT</i>	S21011103001E-R1 & S21032503405E issued by Shenzhen NTEK Testing Technology Co., Ltd. (NTEK)

ANEXO TÉCNICO TECHNICAL ANNEX

0370-5103-PPE/B

MARCA <i>BRAND</i>	JADA™
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) <i>IDENTIFICATION OF THE PPE (TYPE NUMBER)</i>	Ref.: JD-999(G) 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>	FFP3 NR
DESCRIPCIÓN <i>DESCRIPTION</i>	MEDIA MÁSCARA FILTRANTE SIN VÁLVULA, DE TIPO PLEGABLE VERTICAL, DE 7 CAPAS, DE COLOR GRIS , CON LAZOS DE OREJA CON GANCHO, CON ALMOHADILLA NASAL Y CLIP NASAL INTERIOR. TAMAÑO: 110mm*163mm VALVELESS FILTERING HALF MASK, VERTICAL FOLDABLE TYPE, 7 LAYERS, GREY COLOR, WITH EARLOOPS WITH HOOK, NOSE BRIDGE PAD AND INTERIOR NOSE CLIP. SIZE: 110mm*163mm
INFORME DE ENSAYO <i>TEST REPORT</i>	S21011103001E-R1 & S21032503406E issued by Shenzhen NTEK Testing Technology Co., Ltd. (NTEK)

MARCA <i>BRAND</i>	JADA™
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) <i>IDENTIFICATION OF THE PPE (TYPE NUMBER)</i>	Ref.: JD-999(BK) 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>	FFP3 NR
DESCRIPCIÓN <i>DESCRIPTION</i>	MEDIA MÁSCARA FILTRANTE SIN VÁLVULA, DE TIPO PLEGABLE VERTICAL, DE 7 CAPAS, DE COLOR NEGRO , CON LAZOS DE OREJA CON GANCHO, CON ALMOHADILLA NASAL Y CLIP NASAL INTERIOR. TAMAÑO: 110mm*163mm VALVELESS FILTERING HALF MASK, VERTICAL FOLDABLE TYPE, 7 LAYERS, BLACK COLOR, WITH EARLOOPS WITH HOOK, NOSE BRIDGE PAD AND INTERIOR NOSE CLIP. SIZE: 110mm*163mm
INFORME DE ENSAYO <i>TEST REPORT</i>	S21011103001E-R1 & S21032503407E issued by Shenzhen NTEK Testing Technology Co., Ltd. (NTEK)

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-999, Classification: FFP3 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-999, Classification: FFP3 NR) for respiratory protection against particulate.

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-999, Classification: FFP3 NR) meets the FFP3 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 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)

General

Manager

Ca-Mey Yang

2021.1.29



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-999
Trade mark:



Manufacturer*: Wenzhou Jiada Technology Co.,Ltd
Address*: No.401, Building 19th, Rainbow Wisdom Park, Longgang City, Cangnan Area, Wenzhou City, Zhejiang Province, China.
Classification: FFP3 NR
Sample quantity: 147 Pcs

Sample Received Date: Jan. 11, 2021
Testing Period: Jan. 11, 2021~ Jan. 17, 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:

may

Approved by:

Date:

2021-01-21

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	Pass

Key

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

Test	Uncertainty
Total inward leakage	6.40 %
Penetration of filter material (NaCl)	1.60 %
Penetration of filter material (Paraffin Oil)	1.78 %
Carbon dioxide content of the inhalation air	5.34 %
Breathing resistance (30 L/min)	3.60 %
Breathing resistance (95 L/min)	2.20 %
Breathing resistance (160 L/min)	2.00 %

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

※According to the requirement of the client, the applicant and manufacturer “WENZHOU JIADA TECHNOLOGY CO., LTD.” has been modified to “Wenzhou Jiada Technology Co.,Ltd” and the address “NO.401, BUILDING 19TH, RAINBOW WISDOM PARK, LONGGANG CITY, CANGNAN AREA, WENZHOU CITY, ZHEJIANG PROVINCE, CHINA.” has been modified to “No.401, Building 19th, Rainbow Wisdom Park, Longgang City, Cangnan Area, Wenzhou City, Zhejiang Province, China.”.

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 (%)
Zhang	1#	A.R.	1.7	1.8	1.9	2.0	1.6	1.80
Fan	2#	A.R.	1.5	1.6	1.7	1.9	1.4	1.62
Yang	3#	A.R.	1.1	1.2	1.4	1.5	1.2	1.28
Huang	4#	A.R.	1.4	1.6	1.7	1.8	1.5	1.44
Yan	5#	A.R.	1.6	1.7	1.8	1.9	1.5	1.70
Shi	6#	T.C.	0.9	1.1	1.2	1.3	1.0	1.10
Huang	7#	T.C.	1.3	1.4	1.6	1.7	1.4	1.48
Chen	8#	T.C.	1.7	1.8	1.9	2.0	1.6	1.80
Lei	9#	T.C.	1.2	1.3	1.4	1.6	1.3	1.36
Shen	10#	T.C.	1.4	1.6	1.7	1.9	1.5	1.62

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	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	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#	0.73	/	Pass
		14#	0.74	/	
		15#	0.72	/	
	S.W.	19#	0.75	/	
		20#	0.77	/	
		21#	0.74	/	
	M.S. + T.C.	25#	/	0.79	
		26#	/	0.78	
		27#	/	0.78	
Paraffin oil test	A.R.	16#	0.45	/	Pass
		17#	0.45	/	
		18#	0.45	/	
	S.W.	22#	0.32	/	
		23#	0.32	/	
		24#	0.31	/	
	M.S. + T.C.	28#	/	0.46	
		29#	/	0.46	
		30#	/	0.46	
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#	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 4	Pass

Appendix 4: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result	Assessment
A.R.	35#	0.43%	Pass
	36#	0.43%	
	37#	0.47%	
		Mean value: 0.44%	

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 300L/min over a period of 30 s.	No valves.	
(d) When the exhalation valve housing is attached to the faceblank, 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.	0.61	1.75	2.53	2.53	2.52	2.51	2.51
39#		0.62	1.75	2.54	2.53	2.54	2.53	2.53
40#		0.61	1.74	2.53	2.52	2.53	2.52	2.52
41#	S.W.	0.63	1.75	2.53	2.52	2.53	2.53	2.52
42#		0.63	1.76	2.55	2.55	2.54	2.54	2.53
43#		0.62	1.74	2.54	2.53	2.54	2.53	2.53
44#	T.C.	0.58	1.70	2.46	2.45	2.46	2.45	2.44
45#		0.57	1.69	2.45	2.44	2.45	2.44	2.44
46#		0.57	1.68	2.46	2.45	2.46	2.45	2.45
/	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

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. <table><tr><th rowspan="4">Classification</th><th colspan="2">Maximum penetration of test aerosol</th></tr><tr><th>Sodium chloride test 95 L/min</th><th>Paraffin oil test 95 L/min</th></tr><tr><th>%</th><th>%</th></tr><tr><th>max.</th><th>max.</th></tr><tr><td>FFP1</td><td>20</td><td>20</td></tr><tr><td>FFP2</td><td>6</td><td>6</td></tr><tr><td>FFP3</td><td>1</td><td>1</td></tr></table>	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	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.	Comply	Pass

Sample photo(s):

Fig.1



Fig.2

This testing report displaces the original report of No. S21011103001E, and the original one No. S21011103001E was invalid since the date of this testing report released.

****End of Report****

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