

Mascarillas FFP2 niño / niña (2-8 años) con certificado europeo CE color blanco (embolsadas individualmente - Caja de 10 unidades)



Características técnicas

- Cumple con la normativa EN 149:2001 + A1:2009 FFP2 - NR
- Mascarilla homologada con el Certificado Europeo (CE 1463)
- Eficiencia de filtrado: 95%
- Las mascarillas disponen de unas medidas que se adaptan para niños/niñas de una edad comprendida entre 2-8 años (aproximadamente).
- Diseño sólido 3D
- No irrita la piel, absorbe el agua, es cómoda y suave.
- Aumenta la efectividad del tiempo de uso en más de un 30%.
- Filtración electrostática de algodón de alta eficiencia PM 2.5
- 100% recubiertas con material de filtro de alta eficiencia.
- También es válida para personas con la cara pequeña o más fina, y que la mascarilla de adulto no le termina de ajustar bien por sus dimensiones.
- Su embolsado individual le garantiza que el producto esté libre de cualquier tipo de manipulación en su proceso de envasado que pueda menoscabar su eficacia y protección.





AC 114

CERTYFIKAT BADANIA TYPU UE (MODUŁ B) EU TYPE-EXAMINATION CERTIFICATE (MODULE B)

Nr
No. CW/PPER/9/12/2020 rew./rev.1**ZAŚWIADCZA SIĘ,**

że Polski Rejestr Statków S.A. (PRS) przeprowadził procedurę badania typu wymienionego niżej wyrobu i stwierdził jego zgodność z wymaganiami określonymi w załączniku V do Rozporządzenia Parlamentu Europejskiego i Rady (UE) 2016/425 (PPE) w sprawie środków ochrony indywidualnej oraz uchylecia dyrektywy Rady 89/686/EWG, ze zmianami.

THIS IS TO CERTIFY

that Polski Rejestr Statków S.A. (PRS) did undertake the EU type-examination procedure for the product identified below which was found to be in compliance with the requirements of Annex V to the Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC, as amended.

Wnioskodawca
Applicant

Guangdong YiDao Medical Technology Co., Ltd.
Room 302, Building 2, No. 1, Lane 1, Xiju Road Hengli, Dongguan City,
Guangdong Province, China

Producent
Manufacturer

Guangdong YiDao Medical Technology Co., Ltd.
Room 302, Building 2, No. 1, Lane 1, Xiju Road Hengli, Dongguan City,
Guangdong Province, China

Typ wyrobu
Product type

Sprzęt ochrony dróg oddechowych. Półmaski filtrujące do ochrony przed cząstkami.
Półmaska filtrująca, przeciwpylowa bez zaworu.
Respiratory protective devices. Filtering half masks to protect against particles. Dust filtering half mask without valve.

Opis wyrobu
Product description

Półmaska filtrująca mały rozmiar. Model: YD-006 (Klasa: FFP2 NR)
Filtering Half Mask Small Size. Model: YD-006 (Class: FFP2 NR)

Zastosowane normy
Specified standards

PN-EN 149+A1:2010 (EN 149:2001+A1:2009)

Niniejszy certyfikat pozostaje ważny do czasu unieważnienia przy zachowaniu warunków uznania (patrz str. 2).
This certificate remains valid unless cancelled or revoked, provided the approval conditions (see page 2) are complied with.

Data ważności
Expiry date

2025-12-02

Dyrektor Pionu Certyfikacji
Certification Division Director

Michał Chudziński

Gdańsk, 2021-02-24



Nr jednostki notyfikowanej
No. of notified body

1463

Polski Rejestr Statków S.A.
al. Gen. Józefa Hallera 126
80-416 Gdańsk, Poland

tel: (+48) (58) 346 17 00
fax (+48) (58) 341 77 69
e-mail: dc@prs.pl
www: http://www.prs.pl/

CW/PPER/9/12/2020 rew./rev.1

Wykaz dokumentacji
List of documents

1. Instrukcja użytkowania - zatwierdzona przez PRS dnia 2020-12-02.
2. Ocena ryzyka - zatwierdzona przez PRS dnia 2020-12-02.
3. Rysunek półmasksi - model SGN9502 - zatwierdzony przez PRS dnia 2020-12-02.
4. Raport z badań nr PTC20102904301C-EN01V01 wydany przez Precise Testing & Certification (Guangdong) Co., Ltd. (PTC) w dniu 2020-11-16.
5. Sprawozdanie z przeglądu PRS nr CW/KKr/PPER/62/2020 z dnia 2020-12-03.

1. Instruction for use - approved by PRS on 2020-12-02.
2. Risk analysis - approved by PRS on 2020-12-02.
3. Assembly drawing for model: SGN9502 - approved by PRS on 2020-12-02.
4. Test report no. PTC20102904301C-EN01V01 issued by Precise Testing & Certification (Guangdong) Co., Ltd. (PTC) on 2020-11-16.
5. PRS Survey Report No. CW/KKr/PPER/62/2020 dated on 2020-12-03.

Miejsca produkcji
(inne niż podane na stronie 1)
Places of production
(different than given on page 1)

-

Ograniczenia uznania
Approval limitations

1. Dane techniczne:
 - półmaska filtrująca z regulowanym klipssem na nos,
 - klips na nos montowany wewnątrz półmasksi filtrującej,
 - półmaska filtrująca wykonana z 5-warstwowej włókniny z filtrem z tkaniny,
 - półmaska filtrująca wyposażona w zauszniki,
 - wymiary: 130 x 86 mm,
 - kolor: biały.
2. Półmasksi filtrujące przeznaczone do jednorazowego użytku.
3. Dokumentacja techniczna zatwierdzona w języku angielskim.

1. Specifications:
 - filtering half mask with adjustable nose clip,
 - nose clip mounted inside the filtering half mask,
 - filtering half mask made with 5-layers non-woven fabric with melt-blown fabric filter,
 - filtering half mask with ear loops,
 - size: 130 x 86 mm,
 - color: white.
2. Filtering half mask shall not be used for more than one shift.
3. Technical documentation approved in English.

Warunki uznania
Approval conditions

1. Niniejszy certyfikat straci ważność po wprowadzeniu zmian lub modyfikacji w wyrobie bez uprzedniego uzgodnienia z PRS.
This certificate becomes invalid after changes or modifications to the product without prior agreement with PRS.
2. Znak zgodności może być umieszczony na uznanym wyrobie oraz może być wystawiona deklaracja zgodności tylko pod warunkiem, że łącznie z badaniem typu UE zostanie przeprowadzona ocena zgodności produkcji pod nadzorem jednostki notyfikowanej, według załącznika VII lub VIII wymienionego wyżej rozporządzenia.
The Mark of Conformity may only be affixed to the above type approved product and a manufacturer's Declaration of Conformity issued provided the production is assessed under surveillance of a notified body according to Annex VII or VIII of the a/m Regulation.



AC 114

**CERTYFIKAT ZGODNOŚCI Z TYPEM W OPARCIU O WEWNĘTRZNĄ KONTROLĘ
PRODUKCJI ORAZ NADZOROWANE KONTROLE PRODUKTU
W LOSOWYCH ODSTĘPACH CZASU (Moduł C2)**

**CONFORMITY TO TYPE CERTIFICATE BASED ON INTERNAL PRODUCTION CONTROL
PLUS SUPERVISED PRODUCT CHECKS AT RANDOM INTERVALS (Module C2)**

Nr CW/PPER/29/01/2021 rew./rev.1 Okres objęty certyfikatem 2021-02-24 – 2022-01-12
No. Period covered by the certificate

Dokumenty odniesienia: Rozporządzenie UE 2016/425 dotyczące środków ochrony indywidualnej (PPE), załącznik VII
General reference documents: Regulation (EU) 2016/425 on personal protective equipment (PPE), Annex VII

Posiadacz certyfikatu **Guangdong YiDao Medical Technology Co., Ltd.**
Certificate holder Room 302, Building 2, No. 1, Lane 1, Xiju Road Hengli, Dongguan City
Guangdong Province, China.

Wyrób Product	Certyfikat badania typu UE EU Type-examination certificate	Normy zharmonizowane/Specyfikacje Harmonised standards/Specifications
Półmaska filtrująca mały rozmiar. Model: YD-006 (Klasa: FFP2 NR) <i>Filtering Half Mask Small Size. Model: YD-006 (Class: FFP2 NR)</i>	CW/PPER/9/12/2020 rew./rev.1	PN-EN 149+A1:2010 EN 149:2001+A1:2009

A Roczna ocena zgodności wyrobów z normą/specyfikacją i badanym typem

Annual assessment of products compliance with standard/specification and type-examined

**1 Miejsca i daty wizyt
Visit locations and dates**

Guangdong YiDao Medical Technology Co., Ltd.

**2a Wyboru dokonał (imię, nazwisko)
Selection carried out by (Name)**
Związek z jednostką notyfikowaną
Relationship to notified body

Krzysztof Kirysiuk

Ekspert Biura Certyfikacji Wyrobów i Osób
Products and Persons Certification Bureau Expert

**2b Przedstawiciel firmy (imię, nazwisko)
Company representative (Name)**
Stanowisko
Position

Xiushi Zhang

CEO

**3 Związek pomiędzy wizytowaną firmą a posiadaczem certyfikatu badania typu UE
Relationship of company visited to EU type-examination certificate holder**

☐ Posiadacz certyfikatu
Certificate holder

☒ Miejsce produkcji
Production site

☐ Inne miejsce produkcji
Secondary production site

☐ Importer
Importer

☐ Dystrybutor
Distributor

☐ Sprzedaż detaliczna
Retail outlet

☐ Europejskie biuro firmy
European office of the company

☐ Inny:
Other:

Wykaz środków ochrony indywidualnej
List of personal protection equipment

☒ Dostępny
Available

☐ Niedostępny
Not available

Wybór próbek
Sample selection

☒ Wybrano – Nr egz./partii:
Selected – lot/batch No.

20210113

☐ Nie wybrano
Not selected

**4 Wybór próbek
Sample selection**

☒ Prawidłowy
Correct

☐ Nieprawidłowy
Incorrect

Wyniki badań
Result of tests

☒ Pozytywne
Positive

☐ Negatywne
Negative

**5 Wybór próbek i badania wykazały zgodność z przywołanymi normami/specyfikacjami i badanym typem
Sample selection and testing demonstrated compliance with the reference standards/specifications and type-examined**

☒ Tak
Yes

☐ Nie
No



Nr jednostki notyfikowanej
No. of notified body

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B Roczna ocena niejednorodności produkcji
Annual assessment of production non-homogeneity

1 Zastosowana metoda przy dokonaniu oceny
Method employed to perform assessment

- ☐ Inspekcja procesu produkcyjnego i zapisów z prób
On-site review of production and test records
- ☐ Audit kontroli procesu produkcyjnego
On-site audit of production control
- ☐ Ocena niejednorodności produkcji poprzez ocenę jednej dużej próbki
Production non-homogeneity assessed by selection of a single, large sample
- ☐ Ocena niejednorodności produkcji poprzez ocenę próbek w ciągu roku
Production non-homogeneity assessed by assessment of samples throughout the year

2a Ocenę przeprowadził (imię, nazwisko)
Assessment carried out by (Name)

Związek z jednostką notyfikowaną
Relationship to notified body

2b Przedstawiciel firmy (imię, nazwisko)
Company representative (Name)

Stanowisko
Position

3 Na podstawie przeprowadzonej oceny stwierdzono, że proces produkcyjny jest jednorodny
On the basis of the assessment, it has been concluded the production is homogeneous

☐ Tak
 Yes

☐ Nie
 No

C Podsumowanie
Conclusion

Uzasadnienie niezgodności
Justification of non-conformities

Nie było żadnych niezgodności / There were no non-conformities.

Wnioski jednostki notyfikowanej
Conclusions of notified body

Środek ochrony osobistej jest kompatybilny z typem określonym w certyfikacie badania typu UE.

Personal protective equipment is compatible with the type defined in the EC type-examination certificate.

Uwagi
Remarks

1. Półmaska filtrująca przeznaczona do jednorazowego użytku.
2. Dokumentacja techniczna zatwierdzona w języku angielskim.

1. Filtering Half Mask shall not be used for more than one shift.
2. Technical documentation in English approved.

D Załączniki
Attachments

Sprawozdania z wizyty Nr CW/KKr/PPER/10/2021 z dnia/dated on 2021-01-13.
Visit reports No.

Sprawozdania z badań Nr Raport z badań nr CL/PCLB8/19/1/2021 wydany przez Laboratorium Badawcze PRS S.A. z dnia 2021-01-13.
Test reports No. Test report no. CL/PCLB8/19/1/2021 issued by PRS S.A. Testing Laboratory dated on 2021-01-13.

Ogólna ocena z rocznego nadzoru
Overall assessment of the annual surveillance

☒ Pozytywna
 Positive

☐ Negatywna
 Negative

NOTIFIED BODY
 NO.1463

Dyrektor Pionu Certyfikacji
 Certification Division Director

Gdańsk, 2021-02-24

Michał Chudziński



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: Filtering Half Mask Small Size

Report No.: PTC20102904301C-EN01V02

Client: Guangdong YiDao Medical Technology Co.,Ltd.

Client Address: Room 302, Building 2, No.1, Lane 1, Xiju RoadHengli, Dongguan City, Guangdong Province, P.R.CHINA

Manufacturer: Guangdong YiDao Medical Technology Co.,Ltd.

Manufacturer Address: Room 302, Building 2, No.1, Lane 1, Xiju RoadHengli, Dongguan City, Guangdong Province, P.R.CHINA

Contact: zhang xiu shi

Model(s): YD-006

Classification: FFP2 NR

Date of Tests: 2020.11.06~2020.11.13

Signed for and on Behalf of PTC

Prepare by:

Arme

Checked by:

gmc

Approved by:

Tim Mo



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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

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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

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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

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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

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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

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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.

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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	4.2	4.4	4.4	5.3	4.3	4.5
Li	2	A.R	3.9	3.5	3.0	3.5	2.9	3.4
Liu	3	A.R	2.3	2.6	2.6	2.9	2.8	2.6
Liu	4	A.R	2.4	3.0	3.2	3.2	3.6	3.1
Zhang	5	A.R	2.5	2.4	1.8	2.0	2.8	2.3
Xu	6	T.C	2.4	2.1	2.5	2.5	3.0	2.5
Wu	7	T.C	2.6	1.9	2.2	2.6	1.8	2.2
Yu	8	T.C	2.6	2.6	2.7	2.2	3.4	2.7
Li	9	T.C	2.5	3.8	4.3	3.3	4.1	3.6
Lu	10	T.C	3.2	3.2	4.2	2.9	3.9	3.5

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

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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	0.2	Pass
		12	0.2	
		13	0.2	
	Simulated wearing treatment	14	0.3	
		15	0.3	
		16	0.3	
	Mechanical strength + Temperature conditioned	17	0.1	
		18	0.1	
		19	0.1	
Paraffin oil test	As received	20	1.8	
		21	1.8	
		22	1.8	
	Simulated wearing treatment	23	2.3	
		24	2.3	
		25	2.3	
	Mechanical strength + Temperature conditioned	26	1.7	
		27	1.7	
		28	1.9	

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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	0.01	Mean value: 0.02	Pass
	34	0.02		
	35	0.02		

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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	0.41					0.41					0.41				
		95 l/min	1.37					1.37					1.35				
	Exhalation	160 l/min	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
			2.11	2.11	2.12	2.11	2.16	2.14	2.16	2.15	2.15	2.15	2.15	2.15	2.14	2.14	2.17
Simulated wearing treatment	Flow Rate		39					40					41				
	Inhalation	30 l/min	0.37					0.38					0.37				
		95 l/min	1.27					1.26					1.26				
	Exhalation	160 l/min	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
			2.03	2.02	2.00	2.02	2.01	2.02	2.04	2.02	2.02	2.01	2.03	2.02	2.02	2.02	2.01
Temperature conditioned	Flow Rate		42					43					44				
	Inhalation	30 l/min	0.35					0.35					0.35				
		95 l/min	1.10					1.11					1.13				
	Exhalation	160 l/min	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
			1.82	1.81	1.81	1.80	1.81	1.80	1.78	1.78	1.75	1.78	1.77	1.78	1.79	1.77	1.75
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

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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%

Remark: This report supersedes all previous documents bearing the test report number

PTC20102904301C-EN01V01. Report number PTC20102904301C-EN01V01 was invalid.

Amendments to report

Version	Date of issue	Changes
PTC20102904301C-EN01V01	2020.11.16	1)Client Address 2)Manufacturer Address
PTC20102904301C-EN01V02	2021.03.01	Product

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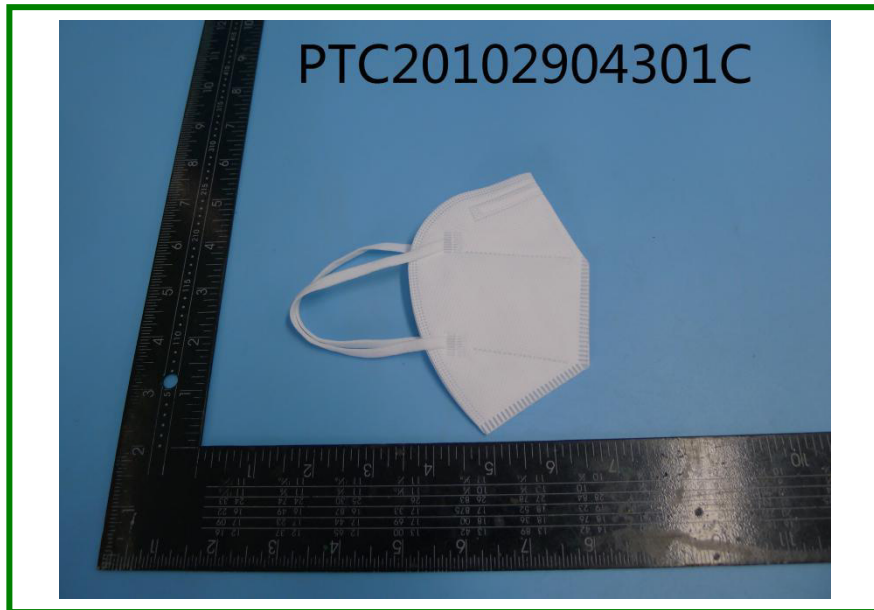
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Photo(s) of Sample:



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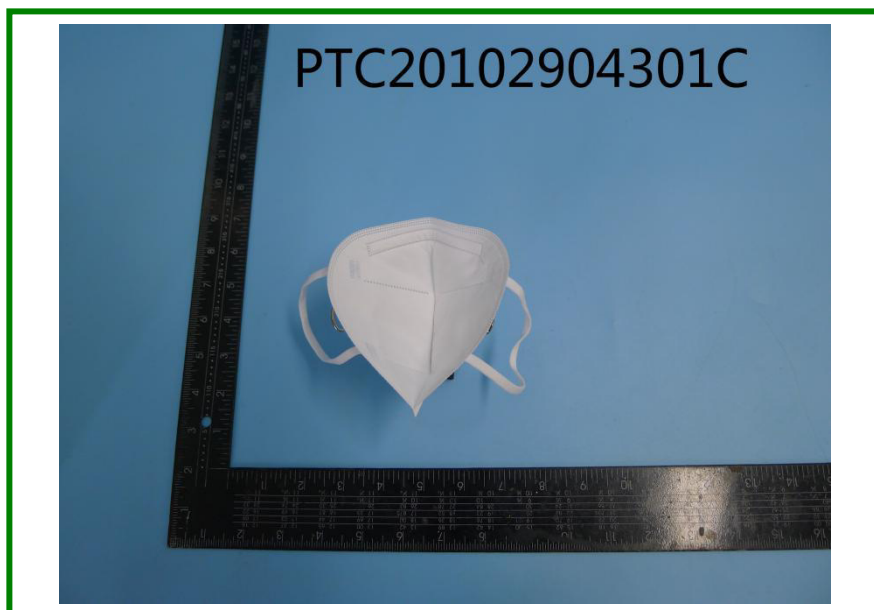
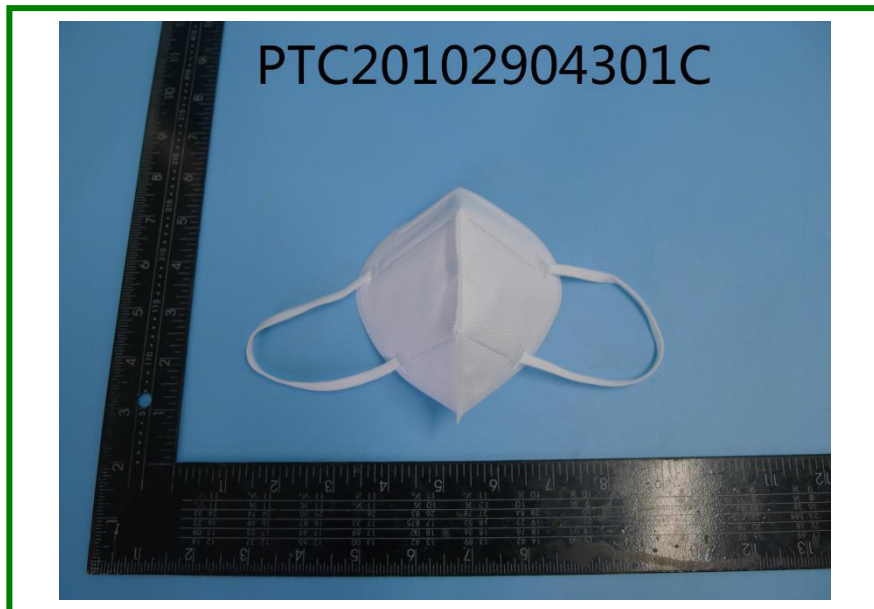


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End of Report

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