AC 114

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

Nr / *No.* CW/PPER/28/12/2020

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 uchylenia 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*
Baoding Yinhong Yuhe medical device manufacturing Co., Ltd.
Nanlongshan village, Dawangdian Industrial Park,
Xushui District, Baoding City, Hebei Province, China.

Producent / *Manufacturer*
[redacted]

Typ wyrobu / *Product type*
Sprzęt ochrony układu oddechowego. Półmaski filtrujące do ochrony przed cząstkami.
Respiratory protective devices. Filtering half masks to protect against particles.

Opis wyrobu / *Product description*
Półmaska filtrująca, model: YH/9903 (klasa FFP3 NR).
Filtering half mask, Model: YH/9903 (class FFP3 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* 2025-12-08

Zastępca Dyrektora Pionu Certyfikacji
Certification Division Deputy Director

Przemysław Gałka

Gdańsk, 2020-12-09

CE

Nr jednostki notyfikowanej
No. of notified body
1463

PRS 1936 NOTIFIED BODY NO.1463

Polski Rejestr Statków S.A.
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Wykaz dokumentacji
List of documents

1. Instrukcja użytkowania - zatwierdzona przez PRS S.A. dnia 2020-12-03.
2. Ocena ryzyka - zatwierdzona przez PRS S.A. dnia 2020-12-03.
3. Dokumentacja techniczna „Półmaski filtrującej, model: YH/9903" - zatwierdzony przez PRS S.A. dnia 2020-12-03.
4. Raport z badań nr JKF20032192R1 wydany przez Zhejiang Academy of Science and Technology for Inspection & Quarantine (Technology Center of Hangzhou Customs District/Zhejiang Lead Product Technical Co., Ltd.) z akredytacją CNAS L0354 z dnia 2020-12-08.
5. Sprawozdanie z przeglądu PRS S.A. nr CW/MoK/PPER/277/2020 z dnia 2020-12-09.

1. *Instuction of use - approved by PRS S.A. on 2020-12-03.*
2. *Risk analysis - approved by PRS S.A. on 2020-12-03.*
3. *Technical documentation "Filtering half mask, Model: YH/9903" - approved by PRS S.A. on 2020-12-03.*
4. *Test report No. JKF20032192R1 issued by Zhejiang Academy of Science and Technology for Inspection & Quarantine (Technology Center of Hangzhou Customs District/Zhejiang Lead Product Technical Co., Ltd.) with CNAS accreditation no. L0354 dated on 2020-12-08.*
5. *PRS S.A. Survey Report No. CW/MoK/PPER/277/2020 dated on 2020-12-09.*

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

- - -

Ograniczenia uznania
Approval limitations

1. Dane techniczne:
   a) półmaska filtrująca z regulowanym klipsem na nos,
   b) klips na nos montowany wewnątrz półmaski filtrującej,
   c) półmaska filtrująca wykonana z 5 warstwowej włókniny z filtrem z tkaniny,
   d) półmaska filtrująca wyposażona w zauszniki,
   e) półmaska filtrująca bez zaworu,
   f) wymiary: 100 mm ± 2 mm x 153 mm ± 3 mm,
   g) docelowa grupa użytkowa: dorośli dla obu płci,
   h) kolory:

półmaska filtrująca	zagłowie	klips na nos	zawór
biała	białe	n / d	n / d

2. Półmaska filtrująca przeznaczona do jednorazowego użytku.
3. Dokumentacja techniczna zatwierdzona w języku angielskim.
4. Produkt ten nie może być stosowany jako maska przeciwgazowa w środowisku toksycznym.
5. Półmaska filtrująca nie powinna być używana w środowisku o stężeniu tlenu poniżej 19.5 %.
6. Półmaska filtrująca nie jest przeznaczona do użytkowania medycznego i chirurgicznego.

1. *Specifications:*
   a) filtering half mask with adjustable nose clip,
   b) nose clip mounted inside the filtering half mask,
   c) filtering half mask made with 5 layers non-woven fabric with melt-blown fabric filter,
   d) filtering half mask with ear loops,
   e) filtering half mask without valve,
   f) size: 100 mm ± 2 mm x 153 mm ± 3 mm,
   g) target group: unisex,
   h) colors:

filtering half mask	*head harness*	*nose clip*	*valve*
white	*white*	*NA*	*NA*

2. *Filtering half mask shall not be used for more than one shift.*
3. *Technical documentation approved in English.*
4. *This product can not be used as a gas mask in a toxic environment.*
5. *Filtering half mask should not be used in an environment with oxygen contens less then 19.5%.*
6. *Filtering half mask can not be used for medical and surgical purposes.*

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 / *No.* CW/PPER/66/12/2020

Okres objęty certyfikatem / *Period covered by the certificate* 2020-12-19 – 2021-12-18

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

Posiadacz certyfikatu / *Certificate holder* [redacted]

Wyrób / *Product*	Certyfikat badania typu UE / *EU Type-examination certificate*	Normy zharmonizowane/Specyfikacje / *Harmonised standards/Specifications*
Półmaska filtrująca, model: YH/9903 (klasa FFP3 NR). *Filtering half mask, Model: YH/9903 (class FFP3 NR).*	CW/PPER/28/12/2020	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*: Baoding Yinhong Yuhe medical device manufacturing Co., Ltd.

2a Wyboru dokonał (imię, nazwisko) / *Selection carried out by (Name)*: Mirosław Klimek

Związek z jednostką notyfikowaną / *Relationship to notified body*: Ekspert Biura Certyfikacji Wyrobów i Osób / *Products and Persons Certification Bureau Expert*

2b Przedstawiciel firmy (imię, nazwisko) / *Company representative (Name)*: Liu Henghao

Stanowisko / *Position*: -

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 próbki / *Sample selection* ☒ Wybrano – Nr egz./partii: / *Selected – lot/batch No.* YH/9903/2020/11/3 ☐ Nie wybrano / *Not selected*

4 Wybór próbki / *Sample selection* ☒ Prawidłowy / *Correct* ☐ Nieprawidłowy / *Incorrect* Wyniki badań / *Result of tests* ☒ Pozytywne / *Positive* ☐ Negatywne / *Negative*

5 Wybór próbki 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*

CE

Nr jednostki notyfikowanej / *No. of notified body*

1463

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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 ☐ Tak *Yes* ☐ Nie *No*
On the basis of the assessment, it has been concluded the production is homogeneous

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 przeznaczone do jednorazowego użytku.
2. Dokumentacja techniczna zatwierdzona w języku angielskim.
3. Produkt ten nie może być stosowany jako maska przeciwgazowa w środowisku toksycznym.
4. Półmaska filtrująca nie jest przeznaczona do użytkowania medycznego i chirurgicznego.
5. Półmaska filtrująca nie powinna być używana w środowisku o stężeniu tlenu poniżej 19.5 %.

1. Filtering half mask shall not be used for more than one shift.
2. Technical documentation approved in English.
3. This product can not be used as a gas mask in a toxic environment.
4. Filtering half mask can not be used for medical and surgical purposes.
5. Filtering half mask should not be used in an environment with oxygen contens less then 19.5%.

D **Załączniki**
Attachments

Sprawozdania z wizyty Nr
Visit reports No.
CW/MoK/PPER/304/2020 z dnia/*dated on* 2020-12-19.

Sprawozdania z badań Nr
Test reports No.
Raport z badań nr CL/WBO/152/2020 wydany przez Laboratorium Badawcze PRS S.A. w dniu 2020-12-19.
Test report no. CL/WBO/152/2020 issue by PRS. S.A. Testing Laboratory dated on 2020-12-19.

Ogólna ocena z rocznego nadzoru
Overall assessment of the annual surveillance

☒ Pozytywna *Positive* ☐ Negatywna *Negative*

PRS 1936 NOTIFIED BODY NO.1463

Zastępca Dyrektora Pionu Certyfikacji
Certification Division Deputy Director

Przemysław Gałka

Gdańsk, 2020-12-19

中国认可
国际互认
检测
TESTING
CNASL0354

TEST REPORT

Report No.: JKF20032192R1

Applicant [redacted]

Zhejiang Academy of Science and Technology for Inspection and Quarantine
Add: No. 398, Jianshe 3 Road, Xiaoshan District, Hangzhou, Zhejiang, China Tel: +86 0571 8352 7187/185/193 Website: www.zaiq.org.cn

中国认可
国际互认
检测
TESTING
CNASL0354

Report No.：JKF20032192R1
Report date：2020-12-08

The information are provided by client(applicant):				
Sample Information	Sample Name：	filtering half mask		
	Style No.：	YH/9903		
	Brand：	YINHONYUHE		
Customer Information	Applicant：	[redacted]		
	[redacted]	[redacted]		
	Manufacturer：	[redacted]		
	[redacted]	[redacted]		
The information are confirmed by testing organization:				
Test Information	Date of sample received:	2020-11-24	Testing period：	2020-11-24 to 2020-12-07
	Quantity：	70 Pieces		
	Sample description：	White mask		
	Basis of judgment：	EN 149:2001+A1:2009 FFP3 NR Respiratory protective devices—Filtering half masks to protect against particles —Requirements, testing, marking		
Test Conclusion	The items tested meet the requirements of EN 149:2001+A1:2009 FFP3 NR			
Test Result	Please refer to next pages.			
Remark	This report (which has modified Sample photo) is to replace the original report (report number JKF20032192 issued on 2020-12-07), the original report also void.			

Edit：Ye yiwen

Sign：Zhao dong

***** End of this page*****

Report No.：JKF20032192R1
Report date：2020-12-08

Test Results:

Clause 7.5 Material

（EN 149:2001+A1:2009 Clause 8.2 & 8.3.1 & 8.3.2）

Requirement	Results	Rating
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. 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. 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）

Requirement	Results	Rating
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）

Requirement	Results	Rating
The particle filtering half mask shall undergo practical performance tests under realistic conditions. These general tests serve the purpose of checking the equipment for imperfections that cannot be determined by the tests described elsewhere in this standard.	No imperfections	Pass

Clause 7.8 Finish of parts

（EN 149:2001+A1:2009 Clause 8.2）

Requirement	Results	Rating
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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Report date：2020-12-08

Clause 7.9.1 Total inward leakage

（EN 149:2001+A1:2009 Clause 8.5）

Requirement	Results	Rating
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	50 out of the 50 individual exercise≤5% 8 out of the 10 individual wearer arithmetic means ≤2%	Pass

Table 7.9.1-A Inward leakage test data

Subject	Sample No.	Condition	Walk (%)	Head side/side (%)	Head up/down (%)	Talk (%)	Walk (%)	Mean (%)
CQQ	1	As received	1.778	1.731	1.795	2.909	1.855	2.013
WLJ	2		1.785	1.778	1.806	2.867	1.874	2.022
WG	3		1.695	1.782	1.792	2.718	1.858	1.969
ZJH	4		1.673	1.727	1.740	2.627	1.816	1.916
TLB	5		1.762	1.679	1.696	2.528	1.780	1.889
ZMY	6	Temperature conditioned	1.801	1.671	1.712	2.454	1.773	1.882
LJF	7		1.722	1.678	1.742	2.847	1.793	1.956
HML	8		1.627	1.677	1.700	2.651	1.699	1.871
RK	9		1.605	1.810	1.736	2.457	1.802	1.882
ZD	10		1.677	1.692	1.765	2.688	1.825	1.929

Table 7.9.1-B Facial dimensions

Subject	Face Length (mm)	Face Width (mm)	Face Depth (mm)	Mouth Width (mm)
CQQ	136	167	125	65
WLJ	132	159	110	60
WG	120	152	109	57
ZJH	122	150	104	50
TLB	125	152	111	57
ZMY	137	150	120	60
LJF	125	135	90	55
HML	124	130	115	55
RK	112	161	146	50
ZD	116	160	115	55

Clause 7.9.2 Penetration of filter material

（EN 149:2001+A1:2009 Clause 8.11 & EN 13274-7:2019）

<table>
<tr><th>Requirement</th><th>Results</th><th>Rating</th></tr>
<tr><td>The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table.
<table>
<tr><th>Classification</th><th>Sodium chloride test
95 L/min</th><th>Paraffin oil test
95 L/min</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></td><td>Detail refer to Table 7.9.2</td><td>Pass</td></tr>
</table>

Table 7.9.2 Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)
Sodium chloride test	As received	11	0.005
		12	0.007
		13	0.006
	Simulated wearing treatment	14	0.007
		15	0.004
		16	0.005
	Mechanical strength+ Temperature conditioned	17	0.012
		18	0.017
		19	0.020
Paraffin oil test	As received	20	0.033
		21	0.025
		22	0.024
	Simulated wearing treatment	23	0.013
		24	0.019
		25	0.022
	Mechanical strength+ Temperature conditioned	26	0.630
		27	0.527
		28	0.593
Flow conditioning: single filter: 95.0 L/min			

Clause 7.10 Compatibility with skin

（EN 149:2001+A1:2009 Clause 8.4 & 8.5）

Requirement	Results	Rating
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

Report No.：JKF20032192R1
Report date：2020-12-08

Clause 7.11 Flammability

（EN 149:2001+A1:2009 Clause 8.6）

Requirement	Results	Rating
When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5s after removal from the flame.	Detail refer to Table 7.11	Pass

Table 7.11 Flammability

Condition	Sample No.	Result
As received	29	Not burn
	30	Not burn
Temperature conditioned	31	Not burn
	32	Not burn

Clause 7.12 Carbon dioxide content of the inhalation air

（EN 149:2001+A1:2009 Clause 8.7）

Requirement	Results	Rating
The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1.0 % (by volume).	Detail refer to Table 7.12	Pass

Table 7.12 Carbon dioxide content of the inhalation air

Condition	Sample No.	Result (%)	
As received	33	0.69	Mean value: 0.69
	34	0.69	
	35	0.70	

Clause 7.13 Head harness

（EN 149:2001+A1:2009 Clause 8.4 & 8.5）

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

Clause 7.14 Field of vision

（EN 149:2001+A1:2009 Clause 8.4）

Requirement	Results	Rating
The field of vision is acceptable if determined so in practical performance tests.	Comply	Pass

Report No.：JKF20032192R1
Report date：2020-12-08

Clause 7.15 Exhalation valve

（EN 149:2001+A1:2009 Clause 8.2 & 8.9.1 & 8.3.4 & 8.8）

Requirement	Results	Rating
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. 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.	Not applicable (No exhalation valve)	N/A

Clause 7.16 Breathing resistance

（EN 149:2001+A1:2009 Clause 8.9

Requirement	Results	Rating
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table.	Detail refer to Table 7.16	Pass

Classification	Maximum permitted resistance (mbar)		
	Inhalation		Exhalation
	30L/min	95L/min	160L/min
FFP1	0.6	2.1	3.0
FFP2	0.7	2.4	3.0
FFP3	1.0	3.0	3.0

Table 7.16 Breathing resistance (mbar)

Test item	Condition	Sample No.	A	B	C	D	E
Inhalation (30 L/min)	As received	36	0.50	0.51	0.51	0.51	0.50
		37	0.49	0.50	0.50	0.49	0.49
		38	0.49	0.50	0.49	0.50	0.50
	Simulated wearing treatment	39	0.51	0.51	0.50	0.51	0.51
		40	0.51	0.52	0.51	0.52	0.52
		41	0.50	0.51	0.51	0.51	0.50
	Temperature conditioned	42	0.45	0.46	0.46	0.45	0.45
		43	0.44	0.45	0.45	0.45	0.44
		44	0.47	0.46	0.47	0.46	0.46

Test item	Condition	Sample No.	A	B	C	D	E
Inhalation (95 L/min)	As received	36	1.87	1.88	1.87	1.86	1.88
		37	1.85	1.86	1.87	1.85	1.85
		38	1.84	1.86	1.85	1.86	1.85
	Simulated wearing treatment	39	1.89	1.88	1.87	1.89	1.89
		40	1.90	1.91	1.92	1.94	1.92
		41	1.90	1.88	1.89	1.89	1.88
	Temperature conditioned	42	1.79	1.77	1.79	1.77	1.77
		43	1.76	1.74	1.74	1.75	1.74
		44	1.81	1.80	1.82	1.83	1.81
Exhalation (160 L/min)	As received	36	2.65	2.64	2.66	2.65	2.65
		37	2.64	2.62	2.64	2.63	2.64
		38	2.63	2.64	2.65	2.63	2.63
	Simulated wearing treatment	39	2.67	2.65	2.66	2.67	2.67
		40	2.69	2.70	2.69	2.67	2.68
		41	2.68	2.66	2.67	2.65	2.66
	Temperature conditioned	42	2.48	2.45	2.47	2.47	2.45
		43	2.45	2.47	2.46	2.45	2.46
		44	2.49	2.51	2.50	2.51	2.49

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）

Requirement	Results	Rating
7.17.2 Breathing resistance: **7.17.2.1 Valved particle filtering half masks** After clogging the inhalation resistances shall not exceed FFP1:4mbar, FFP2:5mbar, FFP3:7mbar at 95 L/min continuous flow; The exhalation resistance shall not exceed 3mbar at 160 L/min continuous flow. **7.17.2.2 Valveless particle filtering half masks** After clogging the inhalation and exhalation resistances shall not exceed FFP1:3mbar, FFP2:4mbar, FFP3:5mbar at 95 L/min continuous flow. **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 given in 7.9.2, for the Penetration test according to EN 13274-7, after the clogging treatment.	Optional for single shift device only	Not required

Clause 7.18 Demountable parts

（EN 149:2001+A1:2009 Clause 8.2）

Requirement	Results	Rating
All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.	Comply	Pass

Report No.：JKF20032192R1
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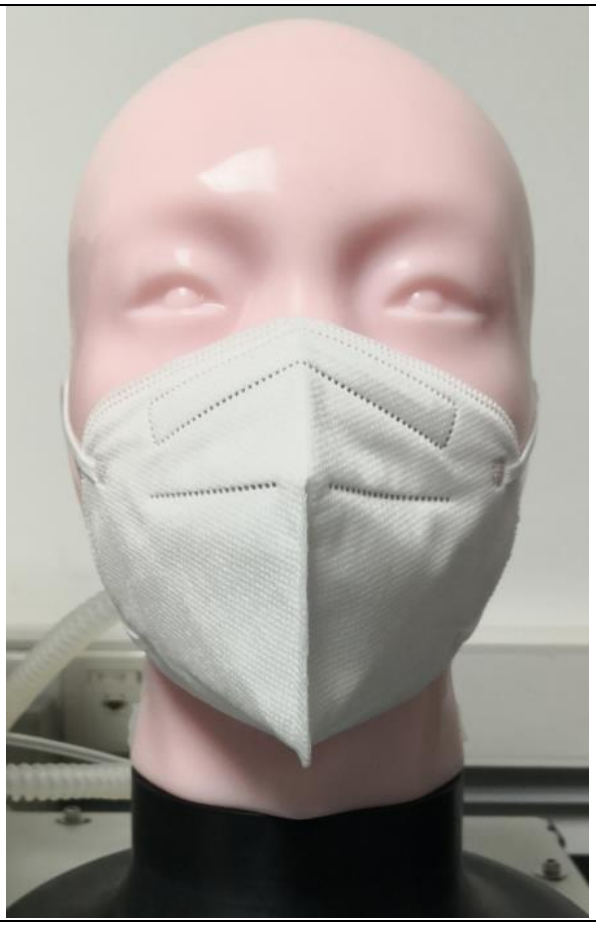
Sample photo



*** End of Report***

STATEMENT

1. Our organization guarantees impartiality, independence and honesty of inspection, and is responsible for the content of report, except for the information provided by the client. The client shall not use the test results for improper publicity without authorization.
2. Our organization shall not be responsible for the authenticity of the information provided by the client, nor shall bear the risks arising in the process of sample delivery. Test result is only responsible for the sample.
3. This report is invalid without the dedicated seal for inspection and testing report and the paging seal.
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