

MASCHERINA VISO CERTIFICATA

Il prodotto è certificato da DGA (CERTAM) e soddisfa gli standard europei CEN CWA 17553 : 2020.

La ricerca è stata svolta dall'azienda Certam specializzata in ricerca tecnologica.

L'azienda lavora a stretto contatto con l'Agenzia Nazionale della Medicina e della Sicurezza dei prodotti sanitari (ANSM) e la Direzione Generale degli Armamenti (DGA) in Francia.

Caratteristiche del prodotto:

- Certificati: DGA (CERTAM)/CEN CWA 17553 : 2020, OEKO TEX 100 (mascherina di prima categoria)
- Mascherina riutilizzabile
- Materiale: microfibra (70% poliestere, 30% poliammide)
- Filtra almeno il 90% delle particelle fino a 3 micron.
- Mantiene le sue proprietà fino a 30 lavaggi.
- Possono essere lavati a 60°C, non asciugarli meccanicamente o su termosifoni.
- Grazie alle sue dimensioni universali, si adatta perfettamente al naso e alle orecchie senza dar fastidio.
- Dimensioni: ~18 cm x ~8 cm
- Stampa: sublimazione
- Prodotto in Polonia



APPROVATO DA



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100



Avvertimento:

- Per utilizzare correttamente questa copertura del viso è importante seguire queste istruzioni.
- Se sei malato, questa copertura per il viso non è adatta. Chiedi consiglio al tuo medico.
- Questa copertura per il viso non è un dispositivo medico ai sensi della Direttiva 93/42/CEE o del Regolamento UE/2017/745 (mascherine chirurgiche) né si tratta di dispositivi di protezione individuale ai sensi del Regolamento UE/2016/425 (dispositivi di protezione delle vie respiratorie).

Istruzioni:

Indossare



Rimuovere



LEAFLET - A6 (105 x 148 mm)

	Report	Title	Tests report
		Reference	mgp\1937_ 19082020_15h41.pdf
CERTAM 1, RUE JOSEPH FOURIER 76800 SAINT ETIENNE DU ROUVRAY Phone : (33) 2 35 64 37 00	Prestation	Title	30 cleaning cycle(s)
		Reference	
		Recipient	

For further informations on this test report, contact

masques-gd-public@certam.fr

Remarks	
Composition of the report	4 pages, with 1 annex

Les essais sont réalisés en application de la note d'information interministérielle du 29 mars 2020 relative aux nouvelles catégories de masques réservées à des usages non sanitaires.

Selon les termes de cette note, ils devront être complétés par un test porté pendant 4 heures, à réaliser par l'industriel. Le masque ne doit pas avoir de couture sagittale (verticale nez bouche).

Avertissement : les résultats ne permettent pas une certification ou homologation selon les normes NF EN 149, NF EN 14683, ni selon toute autre norme ou règlement.

VISA :

Frédéric Dionnet
General manager of CERTAM

Date : 19/08/2020



1. SAMPLES TRANSMITTED

Producer	
Samples date of receipt	07/08/2020
Internal reference	07-08-2020%1937%A

Producer reference	
Product type	
Description of transmitted samples	

2. TESTS METHOD

The tests have been realized following the CEN CWA17553:2020 document. Air permeability and filtration efficiency tests are described in annex.

3. RESULTS

Tests		Containment of particles projection (1)
Features		Measure
Air permeability (L.m ⁻² .s ⁻¹)	Vacuum pressure of 100 Pa	98
Filtration efficiency (%)	Particles 3 µm	94

(1) Containment of particles : measured flow from inside to outside, exhaled air



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4. CONCLUSIONS

In accordance with the CEN CWA17553:2020 relating to the new community face covering for medical use, after 30 cleaning cycle(s) show an air permeability and a filtration efficiency suitable for class 1 mask (protective masks for professional users in touch with public).

Furthermore, we draw your attention to the fact that :

« The breathability measurement must be completed by a wearing test during 4 hours, this test must be realized by the producer. The mask must not have a sagittal suture (vertical nose to mouth) »



Annex for test method

Air permeability

The breathability of the material is measured with a permabilimeter.

The test piece made from the sample has an area of 14.52 cm².

The air surface flow rate (L.m⁻².s⁻¹) through the material is measured at a fixed vacuum pressure (100 Pa).

The CEN CWA17553:2020 impose a minimum flow rate of **96 L.m⁻².s⁻¹**.

The breathability measurement must be completed by a wearing test during 4 hours, this test must be realized by the producer.

Filtration efficiency

The mask or material is die-cut in order to make a disk with a diameter of 48 mm. The sample is positioned in a test section filled with polydisperse « Holi » powder. The aerosol concentration in the test section and the flow rate through the sample (from inside to outside) are measured. The result given is the efficiency (E) corresponding to the percentage of particles (around 3 µm) stopped by the material.

$$E(\%) = 100 \times \left(1 - \frac{C_{out}}{C_{in}}\right)$$

Two levels of community face covering are considered according to their filtration efficiency to particles around 3 µm :

- **Class 1** (protective masks for professional users in touch with public)
Efficiency > 90%
- **Class 2** (protective masks aimed to protect a group of people wearing those masks)
Efficiency > 70%



CERTIFICATE

The Company

SEIKO EPSON CORPORATION
80 Harashinden, Hirooka, Shiojiri-city
JP-Nagano, JAPAN

is granted authorisation according to ECO PASSPORT by OEKO-TEX® to use the OEKO-TEX® mark

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ECO PASSPORT

NEP 1902 Nissenken

Textile and leather chemicals. Tested and verified.
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for the following chemical products

Product(s): See attached enclosure

Category: Disperse dyes

Supporting documents

- Declaration of conformity in accordance with EN ISO 17050-1 included in ECO PASSPORT by OEKO-TEX® Terms of Use.
- Analytical test report number: NEP 1601-2
- RSL Screening Report
- Detailed information about the components and safety data sheets of the chemical products mentioned above.

The above captioned product(s) can be used for the production of human-ecological optimized textiles & leathers. The combined results of the reports mentioned above reveal that there is no harmful effect on the human and environmental health of the textiles & leathers treated/finished with the above mentioned products. This evaluation used the test methods and requirements of the ECO PASSPORT by OEKO-TEX® that were in force at the time of the evaluation date. ZDHC MRSL Conformance Level 1 is achieved for certified product(s) without restriction(s).

The certificate NEP 1902 is valid until 31.05.2020

Japan, 24.05.2019

Kazuhiro Funakawa
General Manager, OEKO-TEX® Laboratory
Nissenken

Enclosure to Certificate No. NEP 1902

ECO PASSPORT by OEKO-TEX®

OEKO-TEX® - International Association for Research and Testing in the Field of Textile and Leather Ecology.



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SEIKO EPSON CORPORATION
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JP-Nagano, JAPAN

ECO PASSPORT by OEKO-TEX® Lab Report No.

NEP 1601-2

ECO PASSPORT by OEKO-TEX® Certified Products

No.	Product name	Trade name	Restriction(s) ¹	ZDHC LEVEL
1	T46C2, T46D2, T46G2, T46H2, T46F2, T46E2/SC20CP	T46C2, T46D2, T46G2, T46H2, T46F2, T46E2/SC20CP	none	Level 1
2	T46C3, T46D3, T46G3, T46H3, T46F3, T46E3/SC20MP	T46C3, T46D3, T46G3, T46H3, T46F3, T46E3/SC20MP	none	Level 1
3	T46C4, T46D4, T46G4, T46H4, T46F4, T46E4/SC20YP	T46C4, T46D4, T46G4, T46H4, T46F4, T46E4/SC20YP	none	Level 1
4	T46C8, T46D8, T46G8, T46H8, T46F8, T46E8/SC20HDKP	T46C8, T46D8, T46G8, T46H8, T46F8, T46E8/SC20HDKP	none	Level 1
5	T46D1, T46F1, T46E1/SC20BKP	T46D1, T46F1, T46E1/SC20BKP	none	Level 1

Issue Date 24.05.2019

¹ Restriction(s): The parameter(s) mentioned under Restriction(s) have to be checked on the treated textile for compliance with the regulations of STANDARD 100 by OEKO-TEX®.

CERTIFICATE

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NEP 1601 Nissenken

Textile and leather chemicals. Tested and verified.
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for the following chemical products

Product(s): See attached enclosure

Category: Disperse dyes

Supporting documents

- Declaration of conformity in accordance with EN ISO 17050-1 included in ECO PASSPORT by OEKO-TEX® Terms of Use.
- Analytical test report number: NEP 1601-3
- RSL Screening Report
- Detailed information about the components and safety data sheets of the chemical products mentioned above.

The above captioned product(s) can be used for the production of human-ecological optimized textiles & leathers. The combined results of the reports mentioned above reveal that there is no harmful effect on the human and environmental health of the textiles & leathers treated/finished with the above mentioned products. This evaluation used the test methods and requirements of the ECO PASSPORT by OEKO-TEX® that were in force at the time of the evaluation date. ZDHC MRSL Conformance Level 1 is achieved for certified product(s) without restriction(s).

The certificate NEP 1601 is valid until 31.10.2020

Japan, 29.10.2019

Kazuhiro Funakawa

General Manager, OEKO-TEX® Laboratory
Nissenken

Enclosure to Certificate No. NEP 1601

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JP-Nagano, JAPAN

ECO PASSPORT by OEKO-TEX® Lab Report No.

NEP 1601-3

ECO PASSPORT by OEKO-TEX® Certified Products

No.	Product name	Trade name	Restriction(s) ¹	ZDHC LEVEL
1	T7411/SC5BK100P, T7421	T7411/SC5BK100P, T7421	none	Level 1
2	T7412/SC5C100P, T7422, CYAN GENESTA SBL 3L	T7412/SC5C100P, T7422, CYAN GENESTA SBL 3L	none	Level 1
3	T7413/SC5M100P, T7423, MAGENTA GENESTA SBL 3L	T7413/SC5M100P, T7423, MAGENTA GENESTA SBL 3L	none	Level 1
4	T7414/SC5Y100P, T7424, YELLOW GENESTA SBL 3L	T7414/SC5Y100P, T7424, YELLOW GENESTA SBL 3L	none	Level 1
5	T741X/SC5HDK100P, T742X, T454X, BLACK GENESTA SBL 3L	T741X/SC5HDK100P, T742X, T454X, BLACK GENESTA SBL 3L	none	Level 1

Issue Date 29.10.2019

¹ Restriction(s): The parameter(s) mentioned under Restriction(s) have to be checked on the treated textile for compliance with the regulations of STANDARD 100 by OEKO-TEX®.