



Fiche technique

# Masque FFP2 Star Care



# 1 Informations techniques

- **Nom du produit** : Masque filtrant
- **Classement** : FFP2 - NR (à usage unique)
- **Modèle** : MSH
- **PFE** : > 94 % (> 98 % pour aérosols de NaCl)
- **Dimension** : 157 mm x 107 mm
- **Norme** : EN 149:2001 + A1:2009
- **Composition** : 66,7 % de textile non-tissé et 33,3 % de textile non-tissé meltblown
- **Avertissement d'allergie** : Textile non-tissé
- **Durée de conservation** : Deux ans dans les conditions de stockage stipulées



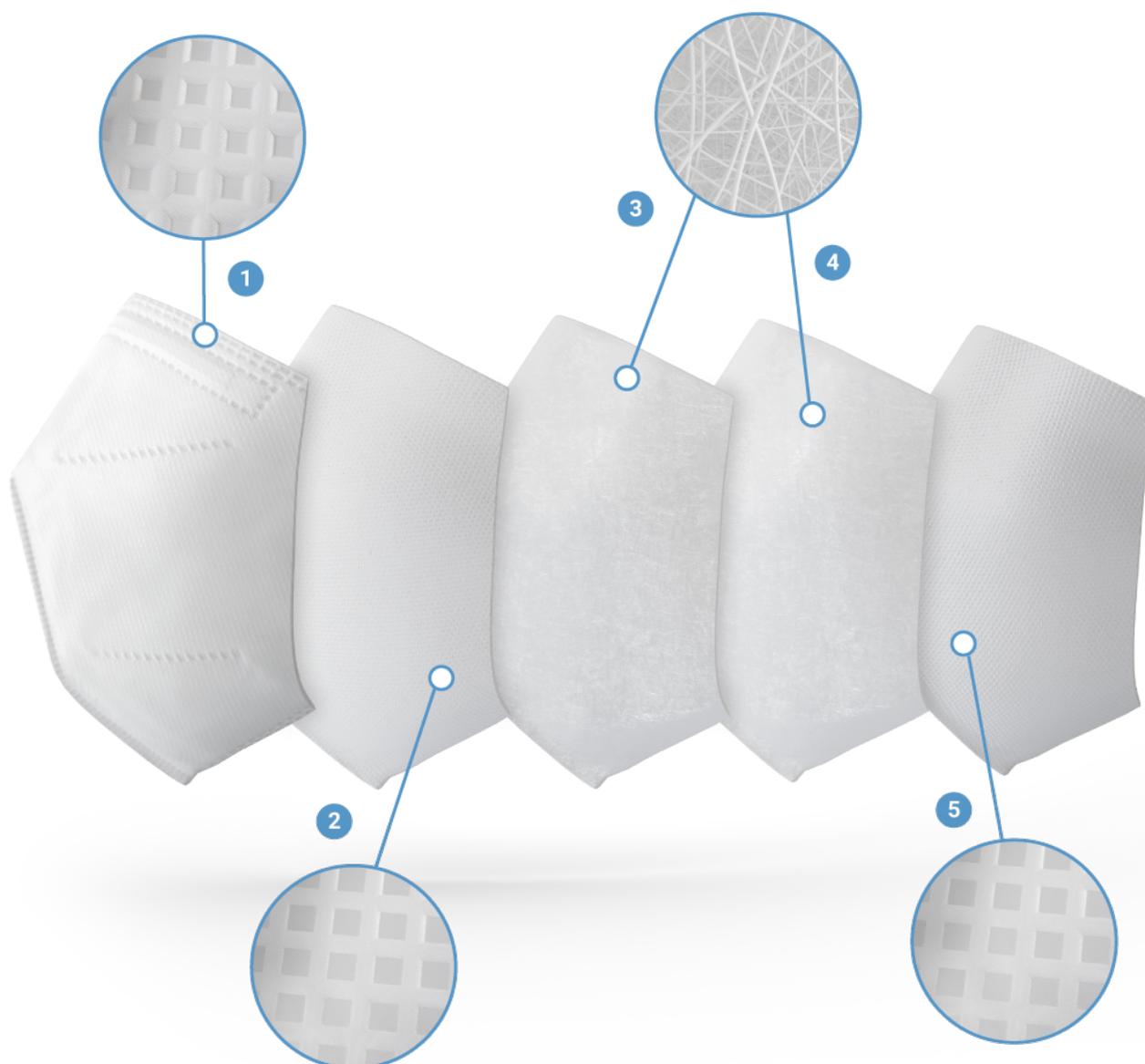
## 2 Images réelles du produit





## 3 Couches

Filtres	Description
Filtre 1	Textile non-tissé : 50 g/m <sup>2</sup>
Filtre 2	Textile non-tissé : 25 g/m <sup>2</sup>
Filtre 3	Textile non-tissé meltblown : ≈ 30 g/m <sup>2</sup>
Filtre 4	Textile non-tissé meltblown : ≈ 30 g/m <sup>2</sup>
Filtre 5	Textile non-tissé : 25 g/m <sup>2</sup>



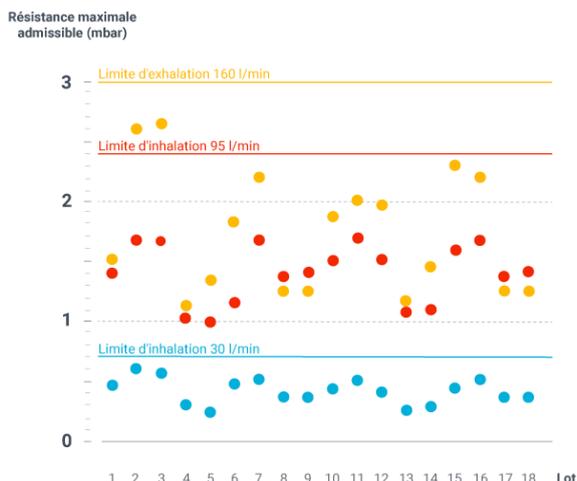
## 4 PFE (Efficacité de filtration des particules)

UNE-EN 149:2001	Star Care FFP2 NR mod. MSH	
Efficacité de filtration requise du matériau filtrant pour aérosol de NaCl	 <p>Certificat 2163-PPE-707 Certificat 2163-PPE-707/01</p>	<p>SECRETARIAT D'ÉTAT À L'EMPLOI ET À L'ÉCONOMIE SOCIALE</p> <p>INSTITUT NATIONAL DE LA SÉCURITÉ ET DE LA SANTÉ AU TRAVAIL</p> <p>CENTRE NATIONAL DES MOYENS DE PROTECTION *</p> <p>Rapport vérification Centre national des moyens de protection (voir annexe 7)</p>
<b>&gt; 94 %</b>	<b>&gt; 97,35 %</b>	<b>&gt; 99 %</b>

\* Le Centre national des moyens de protection (CNMP) est rattaché à l'Institut national espagnol de sécurité et de santé au travail (INSST), un organisme d'État spécialisé en Sciences et Techniques, chargé d'analyser les conditions de sécurité et de santé au travail tout en encourageant leur promotion et leur amélioration.

## 5 Résistance respiratoire

Les matériaux sélectionnés présentent une faible résistance respiratoire. Comme on peut le voir sur le graphique, tous les lots sont largement en-dessous de la limite fixée par la réglementation européenne.



## 6 Autres caractéristiques

1. **Clip nasal profilé et invisible**, pour plus de souplesse
2. **Régulateurs de taille** pour épouser parfaitement la forme du visage
3. **Brides élastiques plates de 4 mm** pour plus de souplesse et de confort
4. **Double soudure** à la jonction des brides
5. **Jonctions en pointillés** pour une filtration plus efficace
6. **Protège-oreilles** pour un maximum de confort lors des utilisations prolongées
7. **Convient à un usage sanitaire**. Essais supplémentaires selon norme EN 14683 (voir annexe 3).



## 7 Usage et durée de conservation

1. **Étui porte-masque réutilisable avec fermeture éclair**
2. **Aération pour une conservation adéquate**
3. **Identifiant du propriétaire du masque**
4. **Indicateur de contrôle du temps d'utilisation**



## 8 Durabilité

1. **Certification FSC pour coffrets en carton issu de sources durables (voir annexe 4)**
2. **Certification Soy Ink™ pour coffrets (encres d'origine végétale) (voir annexe 5)**
3. **Sac réutilisable et compostable à fermeture éclair (voir Annexe 6)**



## 9 Système anti-contrefaçon

**Vignette Original Product portant un code QR** pour accéder à des informations précises concernant le contrôle qualité effectué sur le masque, et certifiant l'origine du produit. Comprend un sceau holographique qui garantit également l'inviolabilité de la boîte.



## 10 Instructions de pose du masque

1. Le tenir avec une main, avec le pince-nez face aux doigts et les élastiques relâchés.
2. Placer le masque sur le visage, de sorte à couvrir complètement le nez et la bouche. Le pince-nez doit se trouver sur le nez.
3. Maintenir le masque avec une main sur le menton. Tirer l'élastique et le placer derrière l'oreille, ou l'accrocher au protège-oreille pour plus de confort.
4. Serrer le pince-nez avec les deux mains et veiller à ce que les bords du masque soient en contact direct avec le visage.
5. Effectuer un test d'étanchéité pour vérifier l'ajustement du masque. Pour cela, couvrir le masque des deux mains et expirer fortement. Si de l'air sort par les bords, replacer le masque sur le visage, serrer à nouveau le pince-nez ou régler la tension de l'élastique. Répéter l'opération jusqu'à ce que l'air ne s'échappe plus.



# 11 Logistique



## Sachet individuel

### Caractéristiques :

Quantité : 1 unité/sachet  
 Dimensions : 130 x 205 mm  
 Poids : 12 g

SKU: MASK-ST-00013.0001



## Boîte de 10 unités

### Caractéristiques :

Quantité : 10 ut (sachets individuels)/boîte  
 Dimensions : 131 x 210 x 45 mm  
 Poids : 153 g

SKU: MASK-ST-00009.0010



## Boîte de 50 unités

### Caractéristiques :

Quantité : 50 ut (sachets individuels)/boîte  
 Dimensions : 210 x 200 x 131 mm  
 Poids : 610 g

SKU: MASK-ST-00013.0050



Configuration disponible en Q2'2021

## Master Carton (10)

### Caractéristiques :

Quantité : 60 paquets/boîte

Total quantité : 600 unités

Dimensions : 485 x 415 x 444 mm

Poids : 10,2 kg



18436592290311

## Master Carton (50)

### Caractéristiques :

Quantité : 12 paquets/boîte

Total quantité : 600 unités

Dimensions : 620 x 545 x 234 mm

Poids : 8,4 kg



18436592290106



En fonction des disponibilités, la commande pourra être livré au format boîte ou autre.

## 12 Annexes

12.1 Annexe 1: Déclaration de conformité	14
12.2 Annexe 2: Examen UE type (B) et Certificat de conformité (C2)	15
12.3 Annexe 3: Rapport d'essais EN 14683 (type IIR)	17
12.4 Annexe 4: Certificat FSC (carton coffret)	22
12.5 Annexe 5: Certificat encre végétale à base de soja	23
12.6 Annexe 6: Certificat sachet individuel compostable	26
12.7 Annexe 7: Rapport vérification Centre national moyens de protection	28

## 12.1 Annexe 1: Déclaration de conformité

La présente déclaration de conformité, délivrée sous la seule responsabilité du fabricant, Hulzhou Hengda Innovation Communication Equipment Co., Ltd., sis en Chine, à l'adresse Bâtiment A, Wanli Industrial Co., Ltd., Dalongkeng, Ganpo, dans la ville de Zhenlong (District de Huiyang, Préfecture de Huizhou, Province de Guangdong)

### ATTESTE

Que l'équipement de protection individuelle (EPI) suivant

Modèle : MSH

Description du produit : Masque filtrant FFP2

répond aux dispositions du Règlement (UE) 2016/425 du Parlement européen et du Conseil du 9 mars 2016 relatif aux équipements de protection individuelle, notamment aux exigences essentielles de santé et de sécurité énoncées à l'annexe II, ainsi qu'aux normes nationales transposant les normes européennes harmonisées suivantes :

EN 149:2001+A1:2009

et que ledit modèle est identique à l'EPI soumis à l'examen UE de type (module B) du règlement (UE) 2016/425 figurant dans le certificat n° :

CE 2163-PPE-707 (date de délivrance : 05/06/2020)

Délivré par :

Universal Certification and Surveillance Service Trade Ltd. Canada (NB 2163)

Necip Fazil Bulvari Keyap Sitesi E2 Blok N0: 44/84 Yukari Dudullu

Ümraniye-Istanbul

Turquie

Le modèle concerné est soumis à la procédure d'évaluation de la conformité au type, comprenant un contrôle interne de la production ainsi que des contrôles supervisés du produit à des intervalles aléatoires (module C2), conformément au règlement (UE) 2016/425, sous la supervision de l'organisme notifié Universal Certification and Surveillance Services Trade Co. (NB 2163)

Signature du responsable : *Co Co Ben*

Signature : *Co Co Ben*

Nom : *Co Co Ben*

Poste : *Director of supply chain*

Lieu et date : *Shenzhen, 12/01/2021*



## 12.2 Annexe 2: Examen UE type (B) et Certificat de conformité (C2)

UNIVERSAL



**UNIVERSAL**  
CERTIFICATION

**NB 2163**

### EU TYPE EXAMINATION CERTIFICATE

**Certificate No: 2163-PPE-707**

Respiratory protective devices, filtering half masks to protect against particles manufactured by  
**Huizhou Hengda Innovation Communication Equipment Co., Ltd.**  
 Building A, Wanli Industrial Co., Ltd., Dalongkeng, Ganpo, Zhenlong Town, Huiyang District,  
 Huizhou City, Guangdong Province, China  
 are tested and evaluated according to

**EN 149:2001 + A1:2009 Respiratory Protective Devices -  
 Filtering Half Masks to Protect Against Particles -  
 Requirements, Testing, Marking**

Based on the type examination conducted with the evaluation of test reports, technical file  
 according to Personal Protective Equipment Regulation (EU) 2016/425 Annex 5, it is approved  
 that the product meets the requirements of the regulation.

**Product Definition**  
**Brand Name:** KSA    **Model:** MSH  
 Filtering half mask  
**Classification:** FFP2 NR

Here by the manufacturer is allowed to use notified body number (2163) and can fix CE mark, as  
 shown below, on the Category III product models given above, with;

- Issuing an appropriate EU Declaration of Conformity according to **Personal Protective Equipment Regulation (EU) 2016/425 Annex 9.**
- Ongoing successful performance in fulfilment of the requirements set out in **Personal Protective Equipment Regulation (EU) 2016/425** and harmonised standards, ensured by assessments based on **Annex 7 (Module C2) or Annex 8 (Module D)** of the regulation no later than 1 year from the beginning of serial production

This certificate is initially issued on **04/06/2020** and will be valid for 5 years, if there is no change in the relevant harmonised standard affecting the essential health and safety requirements.



**2163**



Suat KACMAZ  
 UNIVERSAL CERTIFICATION  
 Director

Verify the validity with the QR code



Necip Fazıl Bulvarı Keyap Sitesi E2 Blok No:44/84 Yukarı Dudulu Ümraniye - İSTANBUL - TÜRKİYE T:+90 216 455 80 80

**UNIVERSALCERT.COM**

UNIVERSAL



**UNIVERSAL**  
CERTIFICATION

**NB 2163**

**EU TYPE EXAMINATION CERTIFICATE**

**Certificate No: 2163-PPE-707**

Respiratory protective devices, filtering half masks to protect against particles manufactured by  
**Huizhou Hengda Innovation Communication Equipment Co., Ltd.**  
 Building A, Wanli Industrial Co., Ltd., Dalongkeng, Ganpo, Zhenlong Town, Huiyang District,  
 Huizhou City, Guangdong Province, China  
 are tested and evaluated according to

**EN 149:2001 + A1:2009 Respiratory Protective Devices -  
 Filtering Half Masks to Protect Against Particles -  
 Requirements, Testing, Marking**

Based on the type examination conducted with the evaluation of test reports, technical file  
 according to Personal Protective Equipment Regulation (EU) 2016/425 Annex 5, it is approved  
 that the product meets the requirements of the regulation.

**Product Definition**  
**Brand Name:** KSA    **Model:** MSH  
 Filtering half mask  
**Classification:** FFP2 NR

Here by the manufacturer is allowed to use notified body number (2163) and can fix CE mark, as  
 shown below, on the Category III product models given above, with;

- Issuing an appropriate EU Declaration of Conformity according to **Personal Protective Equipment Regulation (EU) 2016/425 Annex 9.**
- Ongoing successful performance in fulfilment of the requirements set out in Personal Protective Equipment Regulation (EU) 2016/425 and harmonised standards, ensured by assessments based on **Annex 7 (Module C2) or Annex 8 (Module D)** of the regulation no later than 1 year from the beginning of serial production

This certificate is initially issued on **04/06/2020** and will be valid for 5 years, if there is no change in the relevant harmonised standard affecting the essential health and safety requirements.



**2163**



Suat KACMAZ  
 UNIVERSAL CERTIFICATION  
 Director

Verify the validity with the QR code  


Necip Fazıl Bulvarı Keyap Sitesi E2 Blok No:44/84 Yakarlı Dudullu Ümraniye - İSTANBUL - TÜRKİYE T: +90 216 455 80 80  
**UNIVERSALCERT.COM**

## 12.3 Annexe 3: Rapport d'essais EN 14683 (type IIR)

  
 Total Quality. Assured.

Page 1 of 6

**TEST REPORT NUMBER:** PRTT00077512  
**APPLICANT:** STARTIC INNOVACION, S.A.  
 CALLE CASTILLA, No. 18  
 MADRID, SPAIN  
 28039

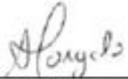
**DATE OF EMISSION:** 16/09/2020

**SAMPLE DESCRIPTION:** Type Mask : Medical Face / Type IIR  
 Reference : Star Care FFP2 NR Mod. MSH  
 Supplier : Startic Innovacion, S.A.  
 1 - Medical Face  
 01/09/2020

**DATE OF RECEPTION:** 01/09/2020  
**TEST PERFORMED BETWEEN DATES:** 01/09/2020 and 16/09/2020  
**WORK DAYS:** 12  
**REQUEST:** Tests performed in accordance with APPLICANT TEST REQUIREMENTS specification  
**NOTES:**

Test	Samples
	1
*‡ BFE (FILTRATION)	M
*‡ DIFFERENCIAL PRESSURE (BREATHABILITY)	M
*‡ MICROBIAL CLEANLINESS/BIOBURDEN	M
*‡ SPLASH RESISTANCE PRESSURE	M

M = Meet buyer's requirement; NM = does not meet buyer's requirement; NR = Not requested; NA = Not applicable;  
 NC = No comment; SC = Still continues  
 - Test results relate only to submitted items. The report shall not be reproduced except in full, without the written approval of Intertek Portugal.  
 - Tests marked by (\*) are not included in the scope of IPAC accreditation for this Laboratory.  
 - Tests marked by (‡) have been sub-contracted by Intertek Portugal to an accredited laboratory.  
 - Tests marked by (\*‡) are not included in the scope of IPAC Accreditation and have been sub-contracted by Intertek Portugal.  
 Consult our terms and conditions on <http://www.intertek.pt/termos-e-condicoes/>.


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 Textiles Laboratory Manager  
 ana.morgado@intertek.com

**intertek**  
Total Quality. Assured.

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TEST REPORT NUMBER: PRTT00077512 Page 2 of 6

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Test Method	Results	Requirements
<b>*# BFE (FILTRATION)</b>		
EN 14683:2019+AC 2019		
	Sample: 1	Type IIR $\geq$ 98%
<b>RESULT</b>		
98.1%		
Test Conditions:		
Temperature: 21±5°C Humidity: 85±5%		
Dimensions of the test specimens: 49cm <sup>2</sup> (5 test specimens)		
Side of the test specimen facing the challenge aerosol: intern		
Air flow rate: 28.3 l/min.		
MPS 2.9		
Test specimen 1 (98.2%), Test specimen 2 (98.3%), Test specimen 3 (97.7%), Test specimen 4 (98.3%), Test specimen 5 (98.0%).		
The expanded uncertainty at a confidence level of 95%, k=2: 1.8%		
<b>*# DIFFERENCIAL PRESSURE (BREATHABILITY)</b>		
EN 14683:2019+AC 2019		
	Sample: 1	Type IIR $\leq$ 60 Pa/cm <sup>2</sup>
<b>RESULT</b>		
47.3 Pa/cm <sup>2</sup>		
Test Conditions:		
Temperature: 21±5°C Humidity: 85±5%		
Number and general location of the areas of the mask the differential measurements were taken: Test performed with the direction of flow from the inside to the outside. Side and central location.		
Air flow rate: 8L/min		
Dimensions of the test specimens: 4.9cm <sup>2</sup> (5 test specimens)		
Test specimen 1 (46.9 Pa/cm <sup>2</sup> ), Test specimen 2 (48.0 Pa/cm <sup>2</sup> ), Test specimen 3 (46.9 Pa/cm <sup>2</sup> ), Test specimen 4 (46.9 Pa/cm <sup>2</sup> ), Test specimen 5 (48.0 Pa/cm <sup>2</sup> )		
The expanded uncertainty at a confidence level of 95%, k=2: 8.7%		



TEST REPORT NUMBER: PRTT00077512

Page 4 of 6

Sample: 1

Type IIR  $\geq$  16.0 kPa

RESULT

Medium pressure test for 29 out of 32 samples as minimum, corresponding to AQL 4%, according EN 14683: 2019 mask Type IIR)

Sample Medium Pressure 16.0 Kpa

Sample	Medium Pressure 16.0 Kpa
Amoet1	Pass
Amoet2	Pass
Amoet3	Pass
Amoet4	Pass
Amoet5	Pass
Amoet6	Pass
Amoet7	Pass
Amoet8	Pass
Amoet9	Pass
Amoet10	Pass
Amoet11	Pass
Amoet12	Pass
Amoet13	Pass
Amoet14	Pass
Amoet15	Pass
Amoet16	Pass
Amoet17	Pass
Amoet18	Pass
Amoet19	Pass
Amoet20	Pass
Amoet21	Pass
Amoet22	Pass
Amoet23	Pass
Amoet24	Pass
Amoet25	Pass
Amoet26	Pass
Amoet27	Pass
Amoet28	Pass
Amoet29	Pass

INTERTEK PORTUGAL UNIPessoal, LDA.

Rua Antero de Quental, 221- sala 102, 4455-586 Perafita - Matosinhos  
 Tel. (+351) 22 999 80 80 - Fax (+351) 22 999 80 81



TEST REPORT NUMBER: PRTT00077512

Page 5 of 6

Sample: 1

Type IIR >= 16.0 kPa

**RESULT**

Amot30	Pass
Amot31	Pass
Amot32	Pass

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TEST REPORT NUMBER: PRTT00077512

Page 6 of 6



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## 12.5 Annexe 5: Certificat encre végétale à base de soja



**ASA**  
American Soybean  
Association®

**SOYINK LICENSE AGREEMENT**

This agreement is made as of this 2nd day of January, 2020, by the **American Soybean Association ("ASA")** and Maoming Sakata Ink Co., Ltd. ("Licensee"), located at 12th sub-district, Nanhai eastern area, Dianbai district, Maoming City, Guangdong, China.

ASA is the owner of the "Printed with Soy Ink" certification mark (the "SoySeal") and has established minimum standards for use of the SoySeal.

Licensee is applying to ASA for the right to use the SoySeal on materials printed with ink containing soybean oil/soy protein.

The parties hereto agree as follows:

I. **MINIMUM STANDARDS.** The SoySeal may be used by Licensee only on products meeting or exceeding the following established standards.

Soybean oil\* as a percentage of total formula weight

TYPE OF INK	*% SOY OIL CONTENT
Black news ink	40
Color news ink	30
Cold-set ink	30
Carbon ink	25
Screen printing ink	25
Sheet-fed ink	20
Business forms ink	20
Metallic ink	10
Desensitizing ink	10
Heat-set ink	7
UV/EB ink	7
Stencil duplicator ink	6

\*Soybean oil must be the predominant vegetable oil, with vegetable drying oils added as needed, but not to exceed the level of soybean oil set out in the respective formulation. Alcohol esters of soybean oil may be substituted directly for soybean oil in news, sheet-fed, cold-set and business forms inks to obtain the minimum concentration standard. The minimum soybean oil concentration for heat-set inks increased to 15% (by weight) when alcohol esters of soybean oil replace soybean oil in this formulation.

Flexographic ink: This vehicle must contain a minimum of 20% soy protein; (water based) a minimum of 15% of the vehicle must be included in the ink.

II. **GRANT.** ASA hereby grants to Licensee a non-exclusive right to use the SoySeal on Licensees' publications, labels, packages and other promotional and merchandising material, subject to the requirements of this Agreement. If the Licensee has more than one office or satellite location, each location will be required to have its own agreement.

III. **ROYALTIES.** For and in consideration of the mutual promises herein, the Licensee shall pay ASA the sum of Three Hundred Fifty Dollars (\$350) per year, payable on or before January 1.

The royalty will be adjusted based on the quarter in which the agreement is executed.

January - March	April - June	July - September	October - December
100% or \$350	75% or \$262.50	50% or \$175	25% - \$87.50

IV. **DESCRIPTION AND USE.** ASA shall provide artwork of the SoySeal mark upon payment of the annual royalty. The SoySeal mark is to be clearly and distinctly affixed to product labels and packages to provide ready recognition that the ink contains soybean oil/soybean protein. The Licensee agrees to use the SoySeal mark in accordance with the standards for use of the SoySeal, as established in Item I.

The Licensee herein agrees that it shall use the trademark registered notice where the SoySeal mark is most prominently displayed upon a label, the product, in advertising, and the like, by applying the symbol '®' to the mark where it is most prominently displayed.

V. **TERMINATION OF CONTRACT.** Licensee is to cease using the SoySeal upon written notice by ASA to Licensee in the event, in ASA's sole judgment based on analytical findings, the ink does not meet the minimum standards as defined on Page 1 of this Agreement, or is not complying with the other terms and conditions of this agreement.

VI. **INDEMNIFICATION.** Licensee shall indemnify and hold harmless ASA's officers, directors, agents and assigns from and against all claims, actions, damages, expenses (including, but without limitation, reasonable attorney's fees) and liability whatsoever, arising out of or in conjunction with any breach of this Agreement by Licensee.

VII. **ASSIGNMENT/SUBLICENSING RESTRICTION.** The right to use the SoySeal herein may not be assigned or sublicensed without prior written consent of ASA.

VIII. **COMPLIANCE/AUTHORIZATION.** A sample of the packaging and a description of the ink (by brand name and type of formulation) that is to be certified must be supplied if requested by ASA.

Licensee also agrees to provide a description of all products/printed materials on which the SoySeal is being applied. Licensee is authorized to use the SoySeal on the following:

Product/Publication C Flexure/Sheet-fed ink

Product/Publication Web C Master/Cold-set ink    Web C Master/Hot-set ink

Product/Publication Breamure/UV ink

Please attach a separate sheet for any additional product/publication descriptions.



<p><b>AMERICAN SOYBEAN ASSOCIATION</b></p> <p> Signature _____ Date <u>2/3/20</u></p> <p></p> <p>Please forward the signed user agreement to:</p> <p>V. 04/01/09</p>	<p><b>LICENSEE</b></p> <p>YUANYUN ZHOU Name - Please Print _____ <u>YUANYUN ZHOU</u> Signature _____ Quality Assurance Director Title _____ (0085) 0668-2089301 Phone Number _____ (0085) 0668-2689666 Fax Number _____ zhouyuanyun@inx-am.com Email _____ January, 02, 2020 Date _____</p> <p>Farris Haley American Soybean Association 12125 Woodcrest Executive Drive, Suite 100 St. Louis, MO 63141 Phone : 1.800.688.7692 Fax: 314.754.1284 or 314.576.2786 Email: fhaley@soy.org</p>
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## 12.6 Annexe 6: Certificat sachet individuel compostable

### **CERTIFICATE**

#### **for Products**

THIS IS TO CERTIFY that the following PRODUCTS have been found to comply with the specifications established in the American Society for Testing and Materials standard ASTM D6400 and/or D6868 in accordance with the terms and conditions of the "International Biodegradable Products Institute, Inc. Licensing & Certification Program for Compostable Products":

- Colored Ziplock Bag 1800 Microns [20180807-01]

as further described in the application and related information submitted to the Biodegradable Products Institute by Dongguan Xinhai Environment-Friendly Materials Co., Ltd. Corporation, (the "Licensee") a corporation of China.

Specific products associated with these certifications can be found on the BPI Product Catalog: <https://products.bpiworld.org/companies/dongguan-xinhai-environment-friendly-materials-co-ltd>

This Certificate authorizes the Licensee to use the Certification Program Logo depicted below in relation to such Product , subject to all conditions and terms of the Program Rules and the License Agreement between the Biodegradable Products Institute and the Licensee.



**BPI**  
COMPOSTABLE

COMMERCIALY  
COMPOSTABLE ONLY.  
FACILITIES MAY NOT  
EXIST IN YOUR AREA.  
CERT #7719318

By:   
BPI Executive Director

Valid until: March 31, 2022  
Certificate #: 7719318-5

**Products on this Certificate:**

The following item numbers (SKUs) are certified under this document. Only these items are published on the BPI's web-based products catalogs.

The licensee shall inform BPI immediately for any new products or discontinued products. These products were certified under product review 20180807-01 and must be recertified by the BPI on or before March 03, 2022

Brand	Manufacturer SKU	Title
XHBIO	XH-ZB	Colored Ziplock Bag



## 12.7 Annexe 7: Rapport vérification Centre national moyens de protection



MINISTERIO  
DE TRABAJO  
Y ECONOMIA SOCIAL

SECRETARÍA DE ESTADO DE  
EMPLEO Y ECONOMIA SOCIAL

INSTITUTO NACIONAL DE  
SEGURIDAD Y SALUD  
EN EL TRABAJO, O.A., M.P.

CENTRO NACIONAL DE  
MEDIOS DE PROTECCIÓN

21336920
Página 1 de 3

### Informe de ensayo, referido a la mascarilla autofiltrante (media máscara filtrante) frente a partículas, Mascarilla FFP2, del proveedor Miquel, solicitada por Servicio Regional de Salud

Este informe, que consta de tres páginas numeradas y selladas, sólo puede ser reproducido en su totalidad. En cualquier otro caso deberá mediar la autorización escrita de la Directora del Centro Nacional de Medios de Protección. La información detallada relativa a los ensayos realizados está a disposición del cliente, previa solicitud por escrito.

#### 1. Antecedentes.

Con fecha 30 de julio de 2020 y con número de registro de entrada (NRE) 03687 se recibió en el Centro Nacional de Medios de Protección (CNMP) solicitud formal de ensayos de la mascarilla autofiltrante (media máscara filtrante) frente a partículas Mascarilla FFP2, del proveedor Miquel, solicitada por Servicio Regional de Salud, del Área de Salud de Sevilla, con número de Registro de Salud de Sevilla.

#### 2. Objeto.

Describir los resultados de los siguientes ensayos:

- Penetración con aerosol de NaCl (en estado de recepción)

realizados a las muestras recibidas cuya clasificación es FFP2 indicada por el solicitante, conforme a lo establecido en las normas:

UNE-EN 149:2001+A1:2010 "Dispositivos de protección respiratoria. Medias máscaras filtrantes de protección contra partículas. Requisitos, ensayos, marcado".

UNE- EN 13274-7:2008 "Equipos de protección respiratoria. Métodos de ensayo. Parte 7: Determinación de la penetración de los filtros de partículas".

#### 3. Muestras.

##### 3.1. Recepción.

Nº muestras	Fecha entrada CNMP	Códigos de identificación
3	29.07.2020 / 1034	del 36920-01 al 36920-3

##### 3.2. Descripción.

Esta descripción se realiza basándose en una inspección visual (véanse fotografías).

Son mascarillas autofiltrantes o medias máscaras filtrantes, plegadas, sin válvula de exhalación. Disponen de clip nasal. El arnés de cabeza consiste en cintas elásticas que pasan por las orejas.

CORREO ELECTRÓNICO

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Los ensayos marcados (\*) no están amparados por la acreditación ENAC.



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Centro Nacional de Medios de Protección

Informe 21336920

Página 2 de 3

Las muestras se presentan en bolsa de plástico de 1 ud.

**Marcado**

En el lateral izquierdo indica Star Care CE 2163 EN 149:2001+A1:2009 FFP2 NR MSH

**Fotografías**



**4. Ensayos.**

Los ensayos fueron realizados según lo indicado en la siguiente tabla.

Ensayo (UNE-EN 149:2001+A1:2010)	Procedimiento	Fecha de realización
Penetración con aerosol de NaCl en estado de recepción 8.11 (y UNE-EN 13274-7:2008)	MPE-2221	25-08-20



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 INSTITUTO NACIONAL DE SEGURIDAD Y SALUD EN EL TRABAJO (I.N.S.T.T.)  
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Centro Nacional de Medios de Protección



Informe 21336920

Página 3 de 3

### 5. Resultados y conformidad.

A continuación se muestran los resultados obtenidos de los ensayos y determinaciones realizados, que sólo son válidos para las muestras ensayadas.

Ensayo	Especificación (UNE-EN 149:2001+A1:2010)	Resultado	Conclusión <sup>(1)</sup>
Penetración del material filtrante frente a aerosol de NaCl en estado de recepción (Penetración después de 3,5 minutos)	7.1, 7.2, 7.9.2 Penetración del material filtrante Clasificación FFP2 ≤ 6 %	(%) 1,025 ± 0,002 0,963 ± 0,002 0,564 ± 0,002	Cumple FFP2

(1) La clasificación final de una mascarilla tipo FFP según UNE-EN 149 viene determinada por los resultados de un conjunto de ensayos y no sólo por el aquí reflejado.

Sevilla, a 03 de septiembre de 2020

Mª Angeles Serra de Torres  
Técnico Superior de Prevención  
Unidad Técnica Protección Respiratoria



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