



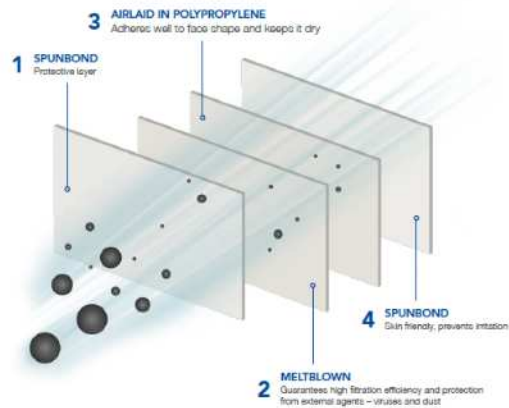
# UFI FILTERS GROUP MASKS



### UFI FILTERS MASK FFP2 MASK DEFENDER

#### FOUR LAYERS OF PROTECTION

FILTRATION EFFICIENCY	≥ 99%	φ 0.8µm, 96l/min
INHALATION RESISTANCE	≤ 2.4mbar	φ 96l/min
EXHALATION RESISTANCE	≤ 3.0mbar	φ 160l/min



**UFI FILTERS**  
CHOSEN BY THE BEST

www.ufifilters.com

### UFI FILTERS MASK FFP2 MASK DEFENDER

#### CHARACTERISTICS

- + Four-layers face mask with ear holder and adjustable nose clip. Ultrasonically welded.
- + Produced in accordance to EN 149:2001 + A1:2009 standard.
- + The production line is in UFI Filters Shanghai.
- + Masks are supplied in single plastic bags to preserve the cleanliness and contamination - 20 pieces per box.
- + Must be stored in well-ventilated, dark and dry environment, away from fire and pollution.
- + Recommended storage conditions: temperature -20°C - +50°C and relative humidity less than 86%.
- + Shelf Life: 3 years.



ITEM CODE  
**35.005.70**  
20 PIECES PER BOX

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**UFI FILTERS**  
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### 35.005.70 FFP2 MASK

- Made in China in UFI Filters Shanghai
- Production capacity > 3,0 Mio monthly
- Homologations CE UNI EN 149 for FFP2
- The item code 35.005.70 refers to the single box containing 20pcs – packed in single plastic bags
- Mastercartons contain 16 single boxes → 320 pcs
- One pallet includes 16 mastercartons → 5.120 pcs

Available







# MASKS

## FFP2 HOMOLOGATION

UNIVERSAL



**UNIVERSAL**  
CERTIFICATION  
NB 2163

### EU TYPE EXAMINATION CERTIFICATE

**Certificate No: 2163 - PPE - 776**

Respiratory protective devices, filtering half masks to protect against particles manufactured by  
**UFI Filters (Shanghai) Co., Ltd.**  
 28# Plot 2, NO. 8228, BeiQing Rd, Qingsu Export Processing Zone, Shanghai, 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: UFI FILTERS Model: 35.005  
 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 fulfillment of the requirements set out in Personal Protective Equipment Regulation (EU) 2016/425 and harmonized standards, ensured by assessment 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 19/06/2020 and will be valid for 5 years, if there is no change in the relevant harmonized standard affecting the essential health and safety requirements.




Newly Issued: 19/06/2020, 12:22:18, Rev 01

UNIVERSAL



**UNIVERSAL**  
CERTIFICATION  
NB 2163

### CERTIFICATE OF CONFORMANCE

**Certificate No: 2163-PPE-776/01**

Respiratory protective devices, filtering half masks to protect against particles manufactured by  
**UFI Filters (Shanghai) Co., Ltd.**  
 28# Plot 2, NO. 8228, BeiQing Rd, Qingsu Export Processing Zone, Shanghai, China  
 Continues to fulfill the requirements of

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

Based on the evaluation of test reports and internal quality control audit reports according to EN 149+A1:2009 and Personal Protective Equipment Regulation (EU) 2016/425 Annex VII (Module C2), this certificate implies that the manufactured products show below are in conformance with the approved EU Type Examination model and meets the requirements of the regulation.

Product Definition				
Model	Class	EU Type Examination Certificate		
		Serial No	Date	Issuing NB No
UFI FILTERS / 35.005	FFP2 NR	2163-PPE-776	19.06.2020	2163


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.
- Taking all measures necessary so that the manufacturing process and its monitoring ensure the homogeneity of production and conformity of the manufactured PPE with the type described in the EU type examination certificate.

This certificate is issued on 19/06/2020 and will be valid for one year, until 18/06/2021 if the manufacturer makes no major change in the product design and manufacturing processes affecting the product performance on the essential health and safety requirements.




Newly Issued: 19/06/2020, 12:22:18, Rev 01



**UNIVERSAL**  
CERTIFICATION

### TECHNICAL EVALUATION REPORT

**REPORT DATE / NO: 19.06.2020 / 2163-KKD-776**


**Manufacturer:** UFI Filters (Shanghai) Co., Ltd.  
**Address:** 28# Plot 2, NO. 8228, BeiQing Rd, Qingsu Export Processing Zone, Shanghai, China


This report is for the, given above, manufacturer prepared according to the test results obtained from Jiangsu Guojian Testing Technology Co., Ltd. accredited by CNAS (China National Accreditation Service), signatory to ILAC MRA, with number L-30118 for the product identified below, dated 10.06.2020 with Serial Id WSZ.FHL.6440 based on EN 149: 2001 + A1: 2009 standard and the technical file dated 11 June 2020 Version 01 provided by the manufacturer. The sampling of the product is conducted under our supervision for testing from the manufacturing site of the client.

The technical file of the manufacturer, and risk evaluation against the essential health safety requirements and the test report evaluated for their relation with Essential Requirements of Personal Protective Equipment Regulation and found to be appropriate.

This report is an annex and an integral part of the EU Type Examination Certificate issued to the manufacturer. The test results and issued certificate belongs only to the tested model. The technical report consists of a total of 6 pages.

**Product Description:** Particle Filtering Half Mask  
**Classification:** FFP2 NR  
**Trademarks:** UFI FILTERS Model: 35.005





19/06/20 12:22:18 Rev 01



# MASKS FFP2 HOMOLOGATION

**UNIVERSAL CERTIFICATION**  
(EU) 2016/425 Directive  
Conforming to EN 149:2001 + A1:2009 Standard Requirements

**Classification: Particle Filtering Half Mask**  
The mask subject to evaluation based on the test results and technical provided by the manufacturer is classified as:  
Filtering Efficiency and maximum Total Inward Leakage: Classified as FFP2

**Marking:** Particle filtering half masks are packaged in groups from their containers before use and with cardboard boxes to prevent mechanical damage. The packaging design and the product is considered to withstand the foreseeable conditions of use based on the visual inspection results given in the test report.

**Materials:** Materials used to produce filtering half masks, according to the standard working treatment and temperature conditioning results, it is understood to withstand handling and use over the period for which the particle filtering half mask is designed to be used. A sufficient mechanical failure of the respiratory or single, are minimal from the filter media released by the air flow through the filter but do not constitute a hazard or nuisance for the wearer. The manufacturer declares that the materials used in manufacturing of the mask, does not have an adverse effect on the health and safety of users.

**Based on the test results, the masks did not undergo when subject to simulated working and temperature conditioning. This extensive situation is reported during the practical performance tests by further subjects.**

**Cleaning and Disinfection:** Particle filtering half mask is not designed to be re-usable. No cleaning or disinfection procedure provided by the manufacturer.

**Practical Performance:**  
The test report indicates that the human subjects did not face any difficulty in performing the exercises while they were wearing the sample masks, in walking and at work simulation tests. The wearer did not report any factors by means of head harness, strap, respiratory comfort, security of fastenings and field of vision. Also no respiratory discomfort during test occurred from about the comfort, field of vision and breathing issues.

Assessed Dimension	Positive	Negative	Requirements in accordance with EN 149:2001 + A1:2009 and Results
1) Head harness comfort	2	0	Positive results are obtained from the test subjects
2) Security of fastenings	2	0	No imperfections
3) Field of vision	2	0	No imperfections

**Conditioning:** (A, B, C) As Received, original

**Flammability of Parts:** Particle filtering half masks, which are likely to come into contact with the user, do not have sharp edges and do not contain bars.

**Total Inward Leakage:**  
The Total Inward Leakage test is conducted by 10 individual in an aerosol chamber with a working harness and samples are taken during the conditions of the exercises defined in the standard. The samples used in the test are subjected to the conditioning required in the standard in Temperature conditioning and as received. The face dimensions of the subjects are also reported. The measurement details for each subject and for each exercise are available in the test report.

It was reported that:  
At least 10 out of the 10 exercise measurement results are smaller or equal to 1%, the values varies between 0.1 % and 0.3 %.  
At least 10 out of the 10 individual's individual results are smaller or equal to 0%, the values varies between 0.1 % and 0.3 %.

According to the reported results, the product meets the limits for FFP1 and FFP2 classification.

**Penetration of filter material - Isotherm Chloride Testing**

Condition	No. of Sample	Sodium Chloride Testing 95 Litres/min (%)	Requirements in accordance with EN 149:2001 + A1:2009	Result
(A, B, C)	-	7.5		
(A, B, C)	-	8.4		
(A, B, C)	-	8.9	FFP1 < 10 %	Filtering half masks fulfil the requirements of the standard (EN EN 149:2001 + A1:2009) given in 10.2.2 in range of the FFP1, FFP2, FFP3 classes.
(D, W, J)	-	8.2	FFP2 < 4 %	
(D, W, J)	-	8.4		
(D, W, J)	-	8.2	FFP1 < 1 %	
(M, S, T, C)	-	7.8		
(M, S, T, C)	-	8.8		

**Conditioning:** (M, S, T, C) Mechanical Strength  
(T, C) Temperature Conditioning  
(A, B, C) As Received, original  
(D, W, J) Simulated working treatment

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**UNIVERSAL CERTIFICATION**

**Penetration of filter material - Particle Oil Testing**

Condition	No. of Sample	Particle Oil Testing 95 Litres/min (%)	Requirements in accordance with EN 149:2001 + A1:2009	Result
(A, B, C)	-	4.6		
(A, B, C)	-	4.7		
(A, B, C)	-	4.6	FFP1 < 20 %	Filtering half masks fulfil the requirements of the standard (EN EN 149:2001 + A1:2009) given in 10.2.2 in range of the FFP1, FFP2 classes.
(D, W, J)	-	4.5		
(D, W, J)	-	4.6	FFP2 < 4 %	
(D, W, J)	-	4.4		
(M, S, T, C)	-	4.3	FFP1 < 1 %	
(M, S, T, C)	-	7.8		
(M, S, T, C)	-	7.4		

**Conditioning:** (M, S, T, C) Mechanical Strength  
(T, C) Temperature Conditioning  
(A, B, C) As Received, original  
(D, W, J) Simulated working treatment

**Compatibility with skin:** In Practical Performance report, the likelihood of skin materials in contact with the skin during activities or other where other no tests was not reported.

**Flammability:**

Condition	No. of Sample	Visual inspection	Requirements in accordance with EN 149:2001 + A1:2009	Result
(A, B, C)	-	0.1	Filtering half masks shall not have or use cotton or hair for more than 1 after removal from the flame	Passed
(A, B, C)	-	0.1		
(T, C)	-	0.1		
(T, C)	-	0.1		

**Conditioning:** (A, B, C) As Received, original  
(T, C) Temperature Conditioning

**Carbon dioxide content of the inhalation air:**

Condition	No. of Sample	CO <sub>2</sub> content of the inhalation air (%) by volume	An average CO <sub>2</sub> content of the inhalation air	Requirements in accordance with EN 149:2001 + A1:2009	Result
(A, B, C)	-	0.001		Filtering half masks shall not exceed an average of 1.0% by volume	Passed
(A, B, C)	-	0.002	0.001%		
(A, B, C)	-	0.010	0.001%		Filtering half masks fulfil requirements of the standard

**Conditioning:** (A, B, C) As Received, original

**Total Inward Leakage:** In Practical Performance and TL test reports no adverse effects have been reported by drawing and removal of the mask after the results of these tests indicates that the air intake / total inhaled air is capable of being the mask's filter strength.

**Field of vision:** In Practical Performance report, no adverse effects were reported for the field of vision visibility when the mask is worn.

**Estimation Values:** The model under inspection does not contain.

**Developing Resistance: Inhalation**  
The overall resistance in the figures gathered for 9 different samples 3 as received, 3 with temperature conditioning and 3 simulated working treatment conditioned samples with the limits given in the standard for FFP1, FFP2 and FFP3 classes. This is valid for inhalation results for 10 Litres, 95 Litres and exhalation at 140 Litres.

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**UNIVERSAL CERTIFICATION**

Article 7.11	Chipping: This test is not applied to Particle Filtering Half Mask which is not reusable. (For single use devices, the chipping test is not applicable. For reusable devices see 7.11.2.)
Article 7.12	Removable Parts: There are no removable parts on the product.
Article 8	Testing: AD tests conducted according to Class 3 of this standard is available in the test report and are evaluated in this report for qualification and classification of the mask.
Article 9	Marking - Packaging: Necessary markings are available on the product package (see). The manufacturer and its trademark is clearly visible. The type of the mask and the classification including the status of re-usability, the reference to EN 149:2001+A1:2009 standard, the test date of about 10, using and storage instructions and programme and CE mark are available on the product package. The above evaluation is based on the technical document for packaging and marking, for the design. Validated on the Annex 6) of the technical file.
Article 10	The technical documentation for mask design (drawing) also evaluated for marking requirements. Drawing 10.003. The mask samples (drawing) indicates that the mask will carry information about the manufacturer - trademark (UFI FILTERS) of the manufacturer. Type of mask, the reference to EN 149+A1:2009 standard and classification including the re-usability of the mask. The manufacturer also provided CE mark with the Notified Body number. The mask do not have sub-ventilation. Even the stated sample for the laboratory do not carry necessary marking information as stated in the technical documentation, the manufacturer shall follow marking information for user protection. Model 32303 drawing exists in the technical file of the manufacturer, Annex 6) of technical file.
Article 11	Information to be supplied by the manufacturer: In each of the smaller commercially available packaging of the product, implementation / certification instructions (pre-use controls, wearing and usage limitations, storage and servicing of mask), programme are defined. User instruction document to the technical file (found to be appropriate, Annex 6). The manufacturer shall include this documented user information in every smaller commercially available package.

**PREPARED BY:** Osman CAMCI  
PPE Expert

**APPROVED BY:** Sait KACMAZ  
General Manager

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# MASKS

## PRODUCTION LINE IN UFI FILTERS SHANGHAI

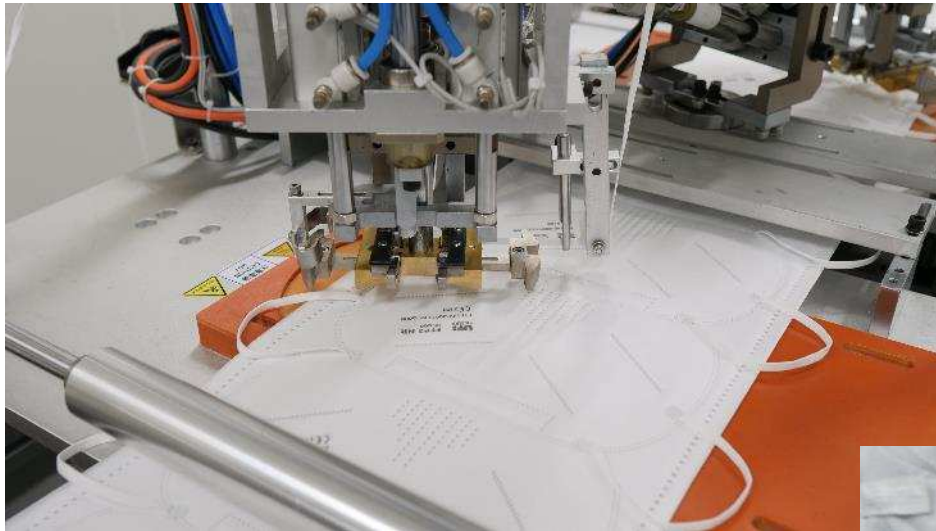






# MASKS

## PRODUCTION LINE IN UFI FILTERS SHANGHAI





# THANK YOU

