



FILTECH FFP2 FACE MASKS

- FILTECH F860
- FILTECH F861
- FILTECH F862
- F863
- F863V

杭州卡丽智能科技股份有限公司
Hangzhou Filtech Intelligent Co.,Ltd

Our Company

Since 1998, Hangzhou Filtech Intelligent Co., Ltd. has been a leader in the field of indoor air quality management, and we are proud to be recognized as one of China's National High-tech Enterprises. As a supplier to many of the world's largest companies, we are known for providing indoor air quality control technical support (specifically, filter products for air and dust separation) for international brands including 3M, Bosch and Panasonic.

As a technology leader, Filtech has always been devoted to independent R&D and innovation. With 50 awards and over 60 national patents, our company is a beacon within the China Torch Program and an example of success within municipal R&D centers. Our dedication to excellence has resulted in ISO 9001 Quality Management System certification, ISO 14001 Environmental Management System certification and OHSAS 18001 Occupational Health and Safety Management System certification.



3M



BOSCH

Panasonic

SHARP

TOSHIBA

SIEMENS

Honeywell



Bundesministerium
für Gesundheit

HA
the home authority

ISSA Advancing Clean,
Driving Innovation

AHAM
ASSOCIATION OF HOME
APPLIANCE MANUFACTURERS

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FILTECH
SINCE 1998

Dedicated to Help

With over 20 years of R&D experience in air filtration, Filtech is uniquely qualified to quickly respond to the world's need for medical respirators and protective masks during the COVID-19 pandemic and beyond. We are one of the very few companies who have developed and currently produce protective medical masks that are approved for the CE marking in the European Union. Our production capacity enables us produce 2.5 million masks per day. We produce KN95/FFP2/FFP3 masks, disposable surgical/medical face masks, and 3-ply disposable face masks. Our masks have filtration levels up to 99%. Our products are exported to the UK, Germany, France, Italy, Sweden, the Netherlands and most other countries.

Our Mission

We have been, and always will be, dedicated to creating an environment of safe, clean and fresh air for everyone, whether at home, at work or outdoors. We have expanded our capacity in order to provide a long-term solution for governments, corporations and other organizations that want to ensure the safety of their constituents, employees and the general public.

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Company Milestones

- 1998: FILTECH is established. The company focuses on global filtration services and solutions.
- 2004: FILTECH becomes a member of ISSA, the Worldwide Cleaning Industry Association; the International Hydropower Association (IHA); and Association of Home Appliance Manufacturers(AHAM).
- 2005: The IAQC laboratory is built.
- 2007: The Clean Air Delivery Rate (CADR) Testing Laboratory for air purifiers is built.
- 2008: The First-generation FILTECH Air Clean System completes the R&D phase.
- 2009: FILTECH becomes a global partner with GE.
- 2010: The Third-generation FILTECH Air Clean System completes the R&D stage.
- 2012: The Fourth-generation FILTECH Air Clean System is ready for production.
- 2013: The FILTECH Air Clean System is awarded the Invention & Innovation Award by the Ministry of Science and Technology.
- 2015: * The Sixth-generation FILTECH Air Clean System launches.
* FILTECH is supported by the China Torch Program.
* FILTECH is awarded recognition as a National High-tech Enterprise.
- 2016: The FILTECH Air Monitor Cloud Platform is put into service.
- 2017: FILTECH becomes one of the first certificated nine-star enterprises for the CVC New Air System in China, whose products are recommended to schools.
- 2018: Indoor air purifying solutions clients include the Ministry of Commerce, the People's Bank of China and the Internet Conference.
- 2019: FILTECH marches into the medical respirator market, moving its campus into Kunpeng Industrial Park, Future Sci-Tech City, Hangzhou.
- 2020: * Upon the request of the Ministry of Industry and Information Technology, FILTECH Air Monitor Series self-contained air conditioning systems are provided as emergency anti-epidemic materials and are added to the export list of COVID-19 epidemic medical supplies.
* CE-certified FFP2 FFP3 and medical respirators begin mass production.



Product Appearance & Packaging

USA FDA's EUA Authorized

FFP2 FACE MASK

FILTECH F860

CE 2163

EN 149:2001+A1:2009 FFP2 NR



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FFP2 FACE MASK **FILTECH F860**

CE 2163

EN 149:2001+A1:2009 FFP2 NR



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FFP2 FACE MASK **FILTECH F860**

CE 2163

EN 149:2001+A1:2009 FFP2 NR

Packing : 5pcs in a polybag 300pks in one carton

Carton size : 64*50*48cm

Gross weight: 12.5kgs



Specification		Cartons	PKS	PCS	G.W* (KG)
20 GP	With pallet	160	48000	240000	2064
	No pallet	160	48000	240000	2064
40 GP	With pallet	320	96000	480000	4128
	No pallet	340	102000	510000	4386
40 HQ	With pallet	400	120000	600000	5160
	No pallet	425	127500	637500	5482

* Without pallet weight

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USA FDA's EUA Authorized

FFP2 Filtering Half Mask
FILTECH F861

CE 2163

EN 149:2001+A1:2009 FFP2 NR



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FFP2 Filtering Half Mask **FILTECH F861**

CE 2163
EN 149:2001+A1:2009 FFP2 NR



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FFP2 Filtering Half Mask **FILTECH F861**

CE 2163

EN 149:2001+A1:2009 FFP2 NR

Packing : 5pcs in a polybag 300pks in one carton

Carton size : 64*50*48cm

Gross weight: 12.5kgs



Specification		Cartons	PKS	PCS	G.W* (KG)
20 GP	With pallet	160	48000	240000	2064
	No pallet	160	48000	240000	2064
40 GP	With pallet	320	96000	480000	4128
	No pallet	340	102000	510000	4386
40 HQ	With pallet	400	120000	600000	5160
	No pallet	425	127500	637500	5482

* Without pallet weight

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FFP2 Particle Filtering Half Mask

FILTECH F862

CE 2834

EN 149:2001+A1:2009 FFP2 NR



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USA FDA's EUA Authorized

FFP2 Particle Filtering Half Mask

FILTECH F862

CE 2834

EN 149:2001+A1:2009 FFP2 NR



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USA FDA's EUA Authorized

FFP2 Particle Filtering Half Mask

FILTECH F862

CE 2834

EN 149:2001+A1:2009 FFP2 NR

Packing : 5pcs in a polybag 300pks in one carton

Carton size : 64*50*48cm

Gross weight: 12.5kgs



Specification		Cartons	PKS	PCS	G.W* (KG)
20 GP	With pallet	160	48000	240000	2064
	No pallet	160	48000	240000	2064
40 GP	With pallet	320	96000	480000	4128
	No pallet	340	102000	510000	4386
40 HQ	With pallet	400	120000	600000	5160
	No pallet	425	127500	637500	5482

* Without pallet weight

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F863 FFP2 NR

Particle Filtering Half Mask

EN 149:2001+A1:2009

CE 2834



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F863 FFP2 NR

Particle Filtering Half Mask

EN 149:2001+A1:2009

CE 2834



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F863 FFP2 NR

Particle Filtering Half Mask

EN 149:2001+A1:2009

CE 2834

Packing : 25pcs in a box, 30 boxes in one carton

Carton size : 66.5*53.5*38cm

Gross weight: 6.9kgs



Specification		Cartons	PKS	PCS	G.W* (KG)
20 GP	With pallet	192	5760	144000	1325
	No pallet	222	6660	166500	1532
40 GP	With pallet	432	12960	324000	2981
	No pallet	456	13680	342000	3147
40 HQ	With pallet	504	15120	378000	3478
	No pallet	532	15960	399000	3671

* Without pallet weight

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F863V FFP2 NR

Particle Filtering Half Mask

EN 149:2001+A1:2009

CE 2834



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F863V FFP2 NR

Particle Filtering Half Mask

EN 149:2001+A1:2009

CE 2834



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F863V FFP2 NR

Particle Filtering Half Mask

EN 149:2001+A1:2009

CE 2834

Packing : 15pcs in a box, 30 boxes in one carton

Carton size : 66.5*53.5*38cm

Gross weight: 9.9kgs



Specification		Cartons	PKS	PCS	G.W* (KG)
20 GP	With pallet	192	5760	86400	1901
	No pallet	222	6660	99900	2198
40 GP	With pallet	432	12960	194400	4277
	No pallet	456	13680	205200	4515
40 HQ	With pallet	504	15120	226800	4990
	No pallet	532	15960	239400	5267

* Without pallet weight

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License & Certification

统一社会信用代码
913301007544336119 (1/3)

营业执照
(副本)

名称 杭州卡丽智能科技股份有限公司
类型 其他股份有限公司(非上市)
法定代表人 沈亚斌

经营范围 一般项目：技术服务、技术开发、技术咨询、技术交流、技术转让、技术推广；人工智能行业应用系统；软件开发；家用电器制造；家用纺织制成品制造；日用口罩（非医用）生产；家用电器批发；日用电器修理；日用口罩（非医用）销售；医用口罩零售；医用口罩批发；第二类医疗器械销售(除依法须经批准的项目外，凭营业执照依法自主开展经营活动)。许可项目：医用口罩生产；第二类医疗器械生产；货物进出口(依法须经批准的项目，经相关部门批准后方可开展经营活动，具体经营项目以审批结果为准)。

注册资本 壹仟万元整
成立日期 2004年05月12日
营业期限 2004年05月12日至长期
住所 浙江省杭州市余杭区余杭街道天目山西路360号9幢302室

登记机关 杭州市市场监督管理局
2020年03月13日

国家企业信用信息公示系统网址: <http://www.gsxt.gov.cn>
市场主体应当于每年1月1日至6月30日通过国家信用信息公示系统报送公示年度报告。
国家市场监督管理总局监制

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USA FDA's EUA Authorized

HANGZHOU FILTECH INTELLIGENT CO., LTD.
ROOM 302, BUILDING 9, NO. 360 TIANMUSHAN WEST ROAD,
YUHANG STREET, YUHANG DISTRICT,
HANGZHOU, ZHEJIANG, 311121, CHINA

Re: FFRs Made in China

Dear: Frank Shen

This letter is in response to your request that the Food and Drug Administration (FDA) add your respirator model **F861** Brand Name FILTECH as an authorized respirator to the Emergency Use Authorization (EUA) for non-NIOSH-approved filtering facepiece respirators manufactured in China¹, which was revised and reissued under Section 564 of the Federal Food, Drug, and Cosmetic Act (the Act) (21 U.S.C. §360bbb-3) on June 6, 2020. We have reviewed your request to be added to Appendix A of this EUA and determined that model included meets the eligibility criteria in the June 6, 2020 EUA for non-NIOSH approved respirators made in China. As such, your respirator(s) is hereby added to Appendix A as an authorized respirator.

Having concluded that the
Scope of Authority
in healthcare settings
(Section IV) of the
labeling requirements

Hangzhou Filtech Intelligent Co.,Ltd
F860,F861,F862,F890,F890V,F891V

In the
personnel
on
following

Manufacturer	Respirator Model(s)	Country of Manufacture
HANGZHOU FILTECH INTELLIGENT CO., LTD.	Model F860, Model F861, Model F862, Model F890, Model F890V, Model F891V	China

U.S. Food & Drug Administration
10903 New Hampshire Avenue
Silver Spring, MD 20903
w www.fda.gov



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NATIONAL MEDICAL PRODUCTS ADMINISTRATION

国家药品监督管理局



NATIONAL MEDICAL PRODUCTS ADMINISTRATION
国家药品监督管理局

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http://www.nmpa.gov.cn/WS04/download/qxdata/gc_ycxsy_yy_kz.xls?from=singmessage&isappinstalled=0

省级药监部门一次性使用医用口罩注册信息				
序号	注册证号	产品名称	注册人	生产地址
1694	浙械注准2019021412811	一次性使用医用口罩	绍兴新普医疗技术有限公司	浙江省绍兴市越城区群贤路与越东路41号3幢连康车间3层
1695	浙械注准201902141282	一次性使用医用口罩	浙江恒动力生物技术有限公司	浙江省杭州市余杭区崇贤镇下坞路9号
1696	浙械注准201902141285	一次性使用医用口罩	宁波蓝藤医疗器械有限公司	浙江省宁波市北仑区大榭街道兴峰山路488号3幢1号
1697	浙械注准202002141237	一次性使用医用口罩	杭州卡丽智能科技有限公司	浙江省杭州市余杭区余杭街道天目山西路360号9幢3楼东侧
1698	浙械注准201902141289	一次性使用医用口罩	杭州耀锐医疗器械有限公司	浙江省杭州市余杭区余杭街道科技大港9号9幢2层302室
1699	浙械注准201902141283	一次性使用医用口罩	浙江富寿康医疗器械有限公司	浙江省平湖市当湖镇经济开发区湖山工业园区
1690				台独工业区
1691				嘉善镇大港南路317号
1692				平山工业区4幢
1693				普安路91号

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Hangzhou Filtech Intelligent Co.,Ltd



FILTECH®
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Manufacturers of medical materials and non-medical masks that have obtained foreign standard certification or registration



**CHINA CHAMBER OF COMMERCE FOR
IMPORT & EXPORT OF MEDICINES & HEALTH PRODUCTS**

<http://en.cccmhpie.org.cn/>

CHINA CHAMBER OF COMMERCE FOR
IMPORT & EXPORT OF MEDICINES & HEALTH PRODUCTS

Chinese Version

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Name List of Non-Medical Use Face Masks Companies with Certification/Authorization from other Countries

Tuesday, 26 May 2020 | Source : CHINA CHAMBER OF COMMERCE FOR IMPORT & EXPORT OF MEDICINES & HEALTH PRODUCTS | Author :

取得国外标准认证或注册的非医用口罩生产企业清单			
Name List of Non-Medical Use Face Masks Companies with Certification/Authorization from other Countries			
Updated : 26 May, 2020 Download			
序号 No.	生产企业 Company	统一社会信用代码 Uniform Social Credit Code	国外注册认证情况 Status of Certification
95	杭州卡丽智能科技有限公司 Hangzhou Filtech Intelligent Co.,Ltd.	913301007544336119	CE

Hangzhou Filtech Intelligent Co.,Ltd

杭州卡丽智能科技股份有限公司
Hangzhou Filtech Intelligent Co.,Ltd

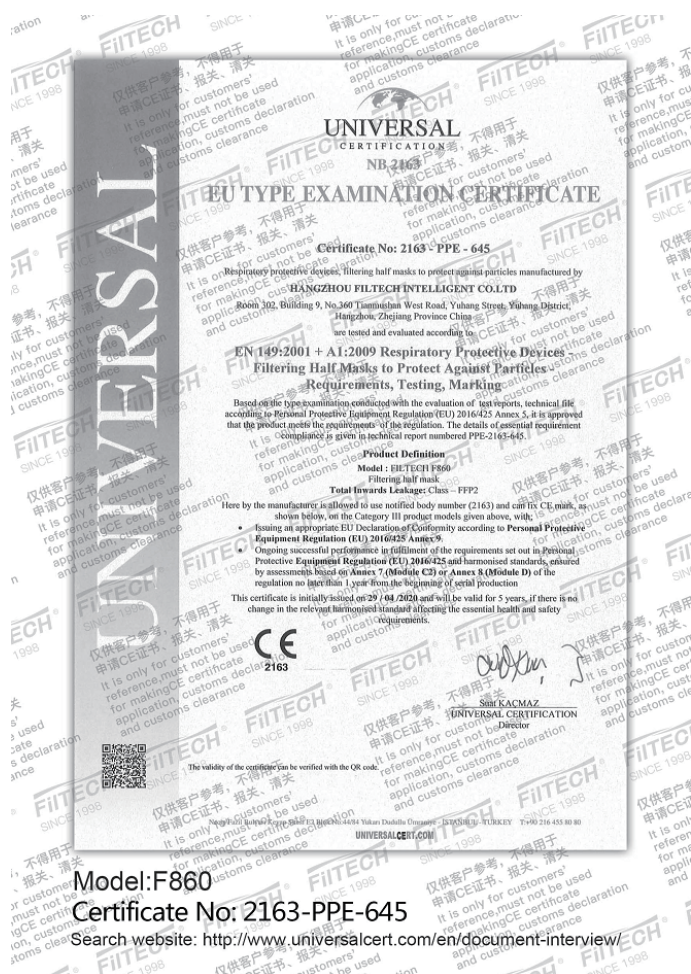


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CE certification

FILTECH F860

certificate No:2163-PPE-645



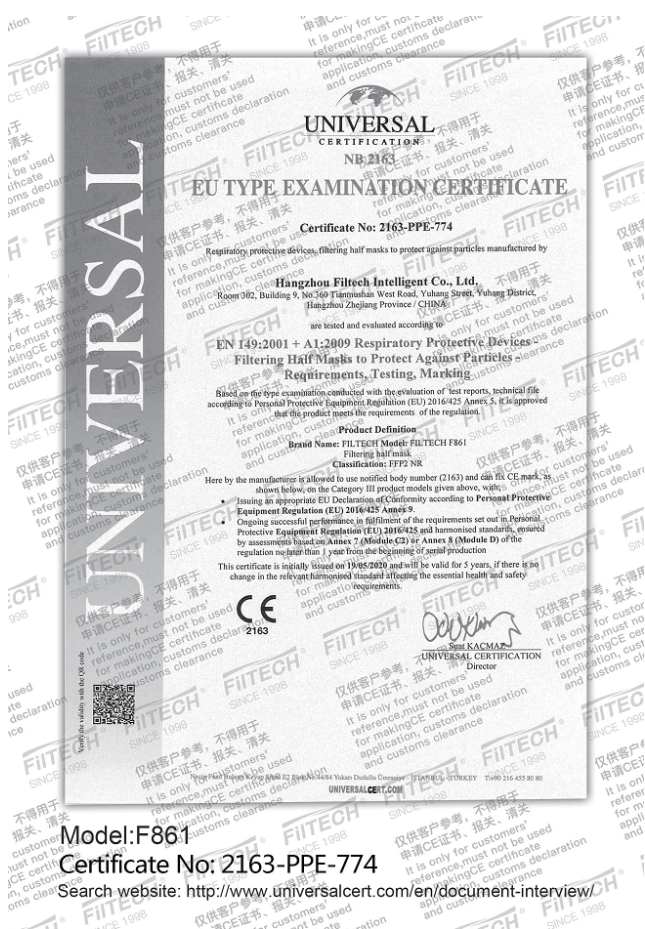
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FILTECH
SINCE 1998

CE certification

FILTECH F861
certificate No:2163-PPE-774



Model:F861

Certificate No: 2163-PPE-774

Search website: <http://www.universalcert.com/en/document-interview/>

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FILTECH
SINCE 1998

CE certification

FILTECH F862

Certificate No: CE-PC-200523-419-01-9A

Module B EU Type-Examination Certificate
For the requirements of PPE Regulation 2016/425
Certificate No.: CE-PC-200523-419-01-9A

Certificate holder:
Hangzhou Filtech Intelligent Co., Ltd.
Building 9, No.360, Tianmushan West Road, Yuhang Street, Yuhang District, Hangzhou, Zhejiang Province, China

Product:
Particle Filtering Half Mask
Detailed product description listed in the Annex

Model:
FILTECH F862

Standards:
EN 149:2001+A1:2009
Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking

Issue date:
2020-07-30

Revision date:
2020-07-30

Expiry date:
2021-07-29

The product(s) on this Certificate and the Technical File have been assessed and found to be in conformance with the applicable Essential Health and Safety Requirements in Annex II of the PPE Regulation 2016/425.
Any changes to the design, manufacturing location or manufacture of the PPE product certified here must be advised to CCQS Certification Services Limited for review.
CE marking shall not be applied until the requirements of all the PPE Regulation 2016/425 and relevant EN harmonised standards and/or Technical specifications have been met.
If the certified product is Category II then this certificate is only valid if used in conjunction with Conformity Assessment against Module C2 or Module D.
This certificate remains the property of CCQS and may be withdrawn at any time if it is considered that the equipment is no longer in conformity with the requirements of the PPE Regulation 2016/425.

Approved by Issuing Government as a Notifier in CE Marking No.2534

Approved by Notifier Government of Ireland as a Notifier in CE Marking No.2534

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Rev:20201.002

Module B EU Type-Examination Certificate
Annex
For the requirements of PPE Regulation 2016/425
Certificate No.: CE-PC-200523-419-01-9A

Applicable standards and specifications:
EN 149:2001+A1:2009 respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking

Model reference	Product description
FILTECH F862	Folding filtering half mask fitted with elastic headbands; no valves, external nose clip. Classification: FFP2/NH Test report No.: WJ160419-2020

Certificate Revision	Revision date	Revision details
A	2020-07-30	Initial issue

Page 2 of 2
Rev:20201.002

Model: F862

Certificate No: CE-PC-200523-419-01-9A

Search website: <http://www.ccqsuk.com/searchresult.jsp>

杭州卡丽智能科技股份有限公司
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FILTECH
SINCE 1998

CE certification

F863 F863V

Certificate No: CE-PC-200811-586-01-9A

Module B EU Type-Examination Certificate

For the requirements of PPE Regulation 2016/425

Certificate No.: CE-PC-200811-586-01-9A

Certificate holder: Hangzhou Filtech Intelligent Co., Ltd.
Building 9, No.360, Tianshuo West Road, Yuhang Street, Yuhang District, Hangzhou, Zhejiang Province, China

Product: Particle Filtering Half Mask
Detailed product description listed in the Annex

Model(s): F863, F863V

Standards: EN 149:2001+A1:2009
Respiratory protective devices - Filtering half masks to protect against particles, Requirements, testing, marking

Issue date: 2020-08-23

Revision date: 2021-08-22

Expiry date: 2021-08-22

The product(s) on this certificate and the Technical File have been assessed and found to be in conformity with the applicable Essential Health and Safety Requirements in Annex II of the PPE regulation 2016/425.

Any changes to the design, manufacturing location or manufacture of the PPE product certified here must be advised to CQCOS Certification Services Limited for review.

CE marking shall not be applied until the requirements of all the PPE Regulation 2016/425 and relevant EN Harmonized standards and/or Technical specifications have been met.

If the certified product is Category II then this certificate is only valid if used in conjunction with Conformity Assessment against Module C2 or Module D.

This certificate remains the property of CQCOS and may be withdrawn at any time if it is considered that the equipment is no longer in conformity with the requirements of the PPE Regulation 2016/425.



Model: F863 F863V

Certificate No: CE-PC-200811-586-01-9A

Search website: <http://www.cqcsuk.com/searchresult.jsp>

Module B EU Type-Examination Certificate

Annex

For the requirements of PPE Regulation 2016/425

Certificate No.: CE-PC-200811-586-01-9A

Applicable standards and specifications:
EN 149:2001+A1:2009 Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking

Model reference	Product description	
F863	Cup shape half mask fitted with elastic head harness, no valves, external metal nose clip Mask body color: White Classification: FFP2 NR Test report No.: VUL0709-2020	
F863V	Cup shape half mask fitted with elastic head harness, exhalation valve, external metal nose clip Mask body color: White Classification: FFP2 NR Test report No.: VUL0709-2020	
Certificate Revision	Revision date	Revision details
A	21/09/2024	Initial issue



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Bewertung der Konformität von Corona SARS-CoV-2 Pandemie Atemschutz (CPA) nach dem Prüfgrundsatz für Corona SARS-CoV-2 Pandemie Atemschutzmasken Revision 1
Evaluation of the conformity of corona sars-cov-2 pandemic respiratory protection (CPA) according to the testing principle for corona sars-cov-2 pandemic respiratory protection masks revision 1

Berichtsnummer / Report number: 3417708.10-CPA
 Prüfgegenstand / Test subject: Corona SARS-CoV-2 Atemschutzmaske
 Modell / Type: FILTECH F860
 Hersteller / Manufacturer: Hangzhou Filtech Intelligent Co., Ltd.
 Room 302, Building 9, No. 360 Jianmushan West Road, Yuhang Street, Yuhang District, Hangzhou, Zhejiang Province, 311122, China

Importeur / Importer: 

Die Anforderungen des Prüfgrundsatzes ☒ Erfüllt / fulfilled
 The requirements of the test principle are

Die technische Wirksamkeit des oben genannten Produkts ist im Rahmen der Empfehlung (EU) 2020/403 der Europäischen Kommission vom 19. März 2020 über Konformitätsbewertungs- und Marktüberwachungsverfahren (in / Kontext / der COVID-19 / Bedrohung / zu / vermuten).
 The technical efficiency of the above-mentioned product is to be presumed within the framework of the European Commission Recommendation (EU) 2020/403 of 13th March 2020 on conformity assessments and market surveillance procedures in the context of the COVID-19 risk.

Der Prüfgrundsatz kann unter der Website der ZLS eingesehen werden.
 The test principle can be accessed under the ZLS website.

Diese Bewertung ist gültig vom 13.05.2020 bis 13.05.2021.
 This evaluation of conformity is valid from 2020-05-13 until 2021-05-13.

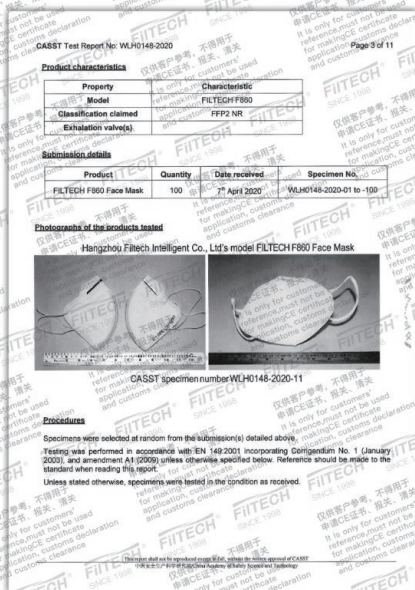
DEKRA Testing and Certification GmbH
 Bochum, 2020-05-13

 Jörg Timm Kilieth
 Geschäftsführer / Managing Director

This certificate of conformity may only be published in its entirety and without any change.
 (DEKRA Testing and Certification GmbH, Handwerksstraße 15, 44699 Solingen)
 Telefon +49 2124 3696-400, Fax +49 2124 3696-401, E-Mail Certification-body@dekra.com



Report No: WLH0148-2020



Report No: WLH0148-2020

Summary of assessment

Clause	Assessment
Model:	FILTECH F860
7.4 Packaging	Pass
7.5 Material	Pass
7.6 Cleaning and disinfecting	NAP
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: Sodium chloride	Pass
7.9.2 Penetration of filter material: Paraffin oil	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(s)	NAP
7.16 Breathing resistance	Pass
7.17 Clogging	
7.18 Demountable parts	NAP
9 Marking	
10 Information to be supplied by the manufacturer	

Key

	Shading shows the clauses requested.
	Any other blank clauses were not requested (NRQ)
Pass	Requirement satisfied.
Ltd	Testing requested was insufficient completely to verify compliance. Refer to the 'Result details' section for more information.
Fail	Requirement not satisfied. Refer to the 'Result details' section for more information.
NAs	Assessment not carried out.
NA	Requirement not applicable.

Our products meet the EN 149:2001+A1:2009 Standards and filtration performance required of FFP2 masks.

Report No: WLH0148-2020



Test Report

FILTECH F861

Report No: GW2983-2020

Test Report

Product name	Fluorescing half net	Specification	PHOTONIC 1601/1611/1612
Client/Order Ref		Model	FITECH
Client/Order Ref	Shenzhen Fitech Intelligent Opto-Electronic Co., Ltd. Room 302 Building 3 No.600 Tianmushan West Road, Yuhang Street, Yuhang District, Hangzhou, Zhejiang Province, China		
Manufacturer	ADD TEST		
Sample #/ink	FFFF	Reference number	092915-2020
Sample quantity	130 pcs	Reference date of sample	31/03/2020
Exp. date	Expiry/inspection	Article number/ batch number/Style number	
Test date	01/04/2020-14/04/2020	Fitting time	Testing room
Site	Meeting hall at the requirement of testing		
Test standards	ISO 149-2015/2016/2019 Respiratory protection of self-priming half net under protect particle-Requirement, testing, marking		
Test items	Visual inspection, practical performance, field of view, compatibility with skin, flammability, chemical durability of the inhalation air, material heat balance, field of vision, permeability of the material, breathing resistance, total in-use and leakage		
Test conclusion	The sample passed testing, the test results meet the requirements of the GB 149-2015/2016/2019 standard. The detail of test items see on Page 2-5 of the report and customer's requirements.		
Note	For the respiratory half net, the following requirements are under investigation: 1. Is the color of the sample completely white? 2. Is the application of the customer requirements met?		

For the proposed sample test, the technical responsibilities are undertaken for the test results of the supplied samples only.

Chief Tester: 7/10/20

Report No: (2020) WSZ FHL NO:2983

杭州卡丽智能科技股份有限公司
Hangzhou Filtech Intelligent Co.,Ltd



Test Report

S/N		Test Item	Unit	Technical Requirements	Test Results	Single Item Conclusion
6	Carbon dioxide content of the inhalation air	After undergoing S.W. test of permeable filtering half mask shall have different mechanical failure of the facepiece or straps.	0.09%	Sample 1: either facepiece or straps have mechanical failure Sample 2: either facepiece or straps have mechanical failure Sample 3: either facepiece or straps have mechanical failure	0.09%	Qualified
9	Field of view	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. The field of vision is acceptable if determined as in practical performance test.	AR	All of 5 pieces particle filtering half mask meet the requirements	100%	Qualified
10	Permeation of filter material	Passing 50% Passing 100%	S.W.	M.S.T.C. 0.2% 0.2% 0.2%	0.2%	Qualified

Report No: (2020) WSZ FHL NO:2983

Test Report

S/N		Test Item	Unit	Technical Requirements	Test Results	Single Item Conclusion
6	Carbon dioxide content of the inhalation air	After undergoing S.W. test of permeable filtering half mask shall have different mechanical failure of the facepiece or straps.	0.09%	Sample 1: either facepiece or straps have mechanical failure Sample 2: either facepiece or straps have mechanical failure Sample 3: either facepiece or straps have mechanical failure	0.09%	Qualified
9	Field of view	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. The field of vision is acceptable if determined as in practical performance test.	AR	All of 5 pieces particle filtering half mask meet the requirements	100%	Qualified
10	Permeation of filter material	Passing 50% Passing 100%	S.W.	M.S.T.C. 0.2% 0.2% 0.2%	0.2%	Qualified



Test Report

FILTECH F862

Report No: WLH0410-2020

TEST REPORT

EN 149:2001+A1:2009

Filtration half masks to protect against particles

Report no: WLH0410-2020

Product: Face Mask

Model(s): FILTECH F862

Main components: Mask body, without exhalation valve

Date(s) of test: 09th May-27th May 2020

Client: Hangzhou Filtech Intelligent Co., Ltd.

Manufacturer: Hangzhou Filtech Intelligent Co., Ltd.
Building 3, No.369 Tianmushan West Road, Tuliang Street, Yuhang District, Hangzhou, Zhejiang Province, 311122, China
Contact: Kelvin Zheng
E-mail: kelvin@filtech.cn
Phone: +86 13865958566

Conditions:

This report shall not be reproduced except in full, without the written approval of CASST.

The results described in this test report refer to the mentioned test samples exclusively. A copy of the test report complete or in extracts, is not valid without any written permission of the CASST.

Any objection should be submitted within 2 weeks from the date of receipt of the report, and it will not be accepted after the deadline.

Specimens will be destroyed 1 week from the date of this report, unless otherwise instructed.

Signed: [Signature]

Issued: 2020-06-02

Page 1 of 11

CASST Test Report No: WLH0410-2020

Page 3 (9/11)

Product characteristics

Property	Characteristic
Model	FILTECH F862
Classification claimed	FFP2 NR
Exhalation valve(s)	

Submission details

Product	Quantity	Date received	Specimen No.
FILTECH F862 Face Mask	100	09 th May 2020	WLH0410-2020-01 to -100

Photographs of the products tested

Hangzhou Filtech Intelligent Co., Ltd.'s model FILTECH F862 Face Mask

CASST specimen number WLH0410-2020-07

Procedure

Specimens were selected at random from the submission(s) detailed above.

Testing was performed in accordance with EN 149:2001 incorporating Corrigendum No. 1 (January 2003), and amendment A1 (2009) unless otherwise specified below. Reference should be made to the standard when reading this report.

Unless stated otherwise, specimens were tested in the condition as received.

杭州卡丽智能科技股份有限公司
Hangzhou Filtech Intelligent Co.,Ltd



FILTECH®
SINCE 1998

Summary of assessment

Clause	Model	Assessment
7.4 Packaging	FILTECH F852	NRq
7.5 Material		Pass
7.6 Cleaning and disinfecting		NAp
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: Sodium chloride		Pass
7.9.2 Penetration of filter material: Paraffin oil		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(s)		NAp
7.16 Breathing resistance		Pass
7.17 Clouging		NRq
7.18 Demountable parts		NAp
9 Marking		NRq
10 Information to be supplied by the manufacturer		NRq

Key

	Shading shows the clauses requested.
NRq	The clauses were not requested.
Pass	Requirement satisfied.
Ltd	Testing requested was insufficient completely to verify compliance. Refer to the "Result details" section for more information.
Fail	Requirement not satisfied. Refer to the "Result details" section for more information.
NAp	Assessment not carried out.

Our products meet the EN 149:2001+A1:2009 Standards and filtration performance required of FFP2 masks.

Report No: WLH0410-2020



Test Report

F863 FFP2 NR

Report No: WLH0769-2020

TEST REPORT	
EN 149:2001+A1:2009	
Filtering half masks to protect against particles	
Report no:	WLH0769-2020
Product:	Particle Filtering Half Mask
Model(s):	F863
Main components:	Mask body, without exhalation valve
Date(s) of test:	23 rd Jul - 06 th Aug 2020
Client:	Hangzhou Filitech Intelligent Co., Ltd.
Manufacturer:	Hangzhou Filitech Intelligent Co., Ltd. Building 1, No. 360, Tianshuashan West Road, Yuhang Street, Yuhang District, Hangzhou City, Zhejiang Province, China.
Contact:	Wang Pingdong Email: 29302714@qq.com Phone: 13738016231
Order(s) received:	Jul, 2020
Conditions:	This report shall not be reproduced without the written approval of CASST. The results described in this test report refer to the mentioned test samples, exclusively. A copy of the test report, complete or in extracts, is not allowed without any written permission of the CASST. Any objection should be submitted within 2 weeks from the date of receipt of the report, and it will not be accepted after this deadline. Specimens and test equipment of 4 weeks from the date of this report, unless otherwise specified.
Signed:	Issued: 2020-08-06
Page 1 of 1	

Report No:WLH0769-2020

CASST Test Report No: WLH0769-2020			
Page 3 of 11			
Product characteristics			
Property	Characteristic		
Model	F863		
Classification claimed	FFP2 NR		
Exhalation valve(s)	None		
Submission details			
Product	Quantity	Date received	Specimen No.
F863 Particle Filtering Half Mask (20200720)	100	23 rd Jul 2020	WLH0769-2020-01 to 100
Photographs of the products tested			
Hangzhou Filitech Intelligent Co., Ltd.'s Model F863 Particle Filtering Half Mask (20200720)			
			
CASST specimen number WLH0769-2020-26			
Procedures			
Specimens were selected at random from the submission(s) detailed above. Testing was performed in accordance with EN 149:2001 incorporating Corrigendum No. 1 (January 2003), and amendment A1 (2006) unless otherwise specified below. Reference should be made to the standard when reading this report. Unless stated otherwise, specimens were tested in the condition as received.			



Summary of assessment

Clause	Model	Assessment
4	Packaging	NRq
5	Material	Pass
6	Cleaning and disinfecting	NAP
7	Practical performance	Pass
8	Finish of parts	Pass
9.1	Total inward leakage	Pass
9.2	Penetration of filter material: Sodium chloride	Pass
9.2	Penetration of filter material: Paraffin oil	Pass
10	Compatibility with skin	Pass
11	Flammability	Pass
12	Carbon dioxide content of the inhalation air	Pass
13	Head harness	Pass
14	Field of vision	Pass
15	Exhalation valve(s)	NAP
16	Breathing resistance	Pass
17	Clogging	NRq
18	Demountable parts	NAP
	Marking	NRq

Key

	Shading shows the clauses requested.
NRq	The clauses were not requested.
Pass	Requirement satisfied.
Ltd	Testing requested was insufficient completely to verify compliance. Refer to the 'Result details' section for more information.
Fail	Requirement not satisfied. Refer to the 'Result details' section for more information.

Our products meet the EN 149:2001+A1:2009 Standards and filtration performance required of FFP2 masks.

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Report No:WLH0769-2020



Test Report

F863V FFP2 NR

Report No: WLH0779-2020

TEST REPORT

EN 149:2001+A1:2009
Filtering half masks to protect against particles

Report no: WLH0779-2020
Product: Particle Filtering Half Mask
Model(s): F863V
Main components: Mask body, with exhalation valve
Date(s) of tests: 27th Jul - 07th Aug 2020

Client: Hangzhou Fitech Intelligent Co., Ltd.
Manufacturer: Hangzhou Fitech Intelligent Co., Ltd.
Room 302, Building 9, No.360, Tianmashan West Road, Yuhang Street, Yuhang District, Hangzhou City, Zhejiang Province, China
Contact: Wang Jingdong
E-mail: 59037124@qq.com
Phone: 15734035231

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Any objection should be submitted within 2 weeks from the date of receipt of the report, and it will not be accepted after the deadline.
Specimens will be disposed of 4 weeks from the date of this report, unless otherwise instructed.

Signed: [Signature] **Issued:** 2020-07-27
北明(Zhang Mingming, Authorized Signatory)

Page 1 of 1

CASST Test Report No: WLH0779-2020 Page 3 of 11

Product characteristics

Property	Characteristic
Model	F863V
Classification claimed	FFP2 NR
Exhalation valve(s)	Single

Submission details

Product	Quantity	Date received	Specimen No.
F863V Particle Filtering Half Mask (20200722)	100	27 th Jul 2020	WLH0779-2020 -01 to -100

Photographs of the products tested

Hangzhou Fitech Intelligent Co., Ltd.'s Model F863V Particle Filtering Half Mask (20200722)



CASST Specimen number: WLH0779-2020-26

Procedures

Specimens were selected at random from the submission(s) detailed above.
Testing was performed in accordance with EN 149:2001 incorporating Corrigendum No. 1 (January 2003), and amendment A1 (2005) unless otherwise specified below. Reference should be made to the standard when reading this report.
Unless stated otherwise, specimens were tested in the condition as received.

Report No:WLH0779-2020

杭州卡丽智能科技股份有限公司
Hangzhou Fitech Intelligent Co., Ltd



FITECH
SINCE 1998

Summary of assessment

Clause	Model	Assessment
7.4 Packaging	F863V	NRq
7.5 Material		Pass
7.6 Cleaning and disinfecting		NAp
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: Sodium chloride		Pass
7.9.2 Penetration of filter material: Paraffin oil		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(s)		Pass
7.16 Breathing resistance		Pass
7.17 Clogging		NRq
7.18 Demountable parts		NAp
9 Marking		NRq
10 Information to be supplied by the manufacturer		NRq

Key

	Shading shows the clauses requested.
NRq	The clauses were not requested.
Pass	Requirement satisfied.
Ltd	Testing requested was insufficient completely to verify compliance. Refer to the "Result details" section for more information.
Fail	Requirement not satisfied. Refer to the "Result details" section for more information.

Our products meet the EN 149:2001+A1:2009 Standards and filtration performance required of FFP2 masks.

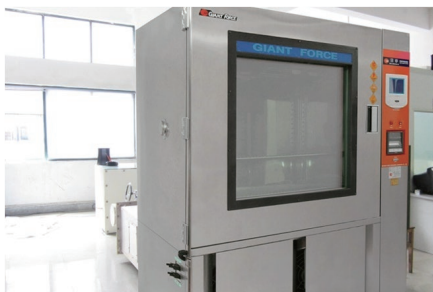
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Report No:WLH0779-2020



Laboratory & Workshop

Our state-of-the-art laboratories are equipped to test and monitor production standards from start to finish. We conduct material analysis, performance inspections and product testing at every stage of production to ensure that every mask that is produced at our facility exceeds required performance thresholds.



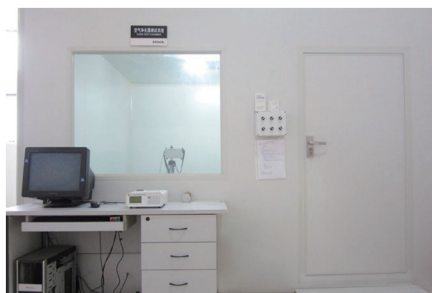
Programmable constant temperature & humidity testing machine



Air filtration testing system



Filtration material testing system



Product performance testing system

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