

EU DECLARATION OF CONFORMITY

EU DECLARATION OF CONFORMITY

We hereby declare that the following items complies with the EU regulation 2016/425/EEC Personal Protective Equipment (PPE).

This declaration of conformity is issued under the sole responsibility of the manufacturer:

[Manufacturer and address]

GUANGDONG KINGFA SCI.&TECH. CO., LTD.

No.28 Delong Avenue, Shijiao Town, Qingcheng District,

Qingyuan City, Guangdong Province, China.

[Product name] Particle Filtering half mask

[Model/ Serial No.] KF-A F10(SC) FFP2 NR

[Applicable Regulation/Standard(s):]

This PPE is in conformity with the the relevant Union Harmonisation Legislation Regulation (EU) 2016/425 and with the harmonized standards EN149:2001 + A1:2009

[Conformity Assessment Procedure]

EU type-examination (module B) certificate FI21/968210.

Issued By (Notified Body name/number):SGS Fimko Oy (NB 0598).

Notified body address: Takomotie 8, FI-00380, Helsinki, Finland

Certificate of conformity to type based on quality assurance of the

production process (module D) is issued by SGS FIMKO OY (NB 0598)

[EC representative:]

Lotus NL B.V.

Koningin Julianaplein 10, 1e Verd, 2595AA, The Hague, Netherlands.

[Signed for and on behalf of]

GUANGDONG KINGFA SCI.&TECH. CO., LTD.

[Place of issue] Qingyuan City, Guangdong Province, China

[Date of signature] 2021-02-09

[Title of signatory] General Manager

[Signature]



EU-KONFORMITÄTSERKLÄRUNG

Wir erklären hiermit, dass die folgenden Punkte der EU-Verordnung 2016/425/EWG über persönliche Schutzausrüstung (PSA) entsprechen.

Diese Konformitätserklärung wird unter alleiniger Verantwortung des Herstellers erstellt.

[Name und Anschrift]

GUANGDONG KINGFA SCI.&TECH. CO., LTD.

No.28 Delong Avenue, Shijiao Town, Qingcheng District,

Qingyuan City, Guangdong Province, China.

[Produktidentifikation] Partikelfilter-halbmaske

[Modell. Nr.] KF-A F10(SC) FFP2 NR

[Anwendbare Verordnung/Norm(en)]

Diese PSA steht in Einklang mit der einschlägigen Harmonisierungsrechtsvorschriften Verordnung (EU) 2016/425 und, wenn dies der Fall ist, mit den harmonisierten Normen EN149:2001 + A1:2009.

[Konformitätsbewertungsverfahren]

EG-Baumusterprüfbescheinigung Fl21/968210

Ausgestellt von (Name / Nummer der benannten Stelle): SGS Fimko Oy (NB 0598)

Angemeldete Vertretung: Takomotie 8, FI-00380, Helsinki, Finland Diese PSA unterliegt der Konformität von Modul D mit dem Typ basierend auf der Qualität.

Die Gewährleistung des Produktionsprozesses erfolgt durch das SGS FIMKO OY (NB 0598).

[Vertreter der EC]

Lotus NL B.V.

Koningin Julianaplein 10, 1e Verd, 2595AA, The Hague, Netherlands.

[Firmenname] GUANGDONG KINGFA SCI.&TECH. CO., LTD.

[Ausstellungsort] Qingyuan City, Guangdong Province, China

[Datum der Ausstellung] 2021-02-09

[Position des Unterzeichners] Geschäftsführer

[Unterschrift]



CE Certification

Certificate FI21/968210

GUANGDONG KINGFA SCI.& TECH.CO., LTD

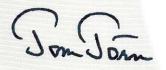
NO.28 Delong Avenue, Shijiao Town, Qingcheng District, Qingyuan City, Guangdong Province, China.

It is certified that the manufacturer's technical file and the PPE product detailed on page 2 have been assessed and found to be in accordance with

Regulation (EU) 2016/425 Module B, EU type-examination

This certificate is valid from 08 February 2021 until 08 February 2026 1. Certified since 08 February 2021

Authorised by



Finnish Accreditation Service S003 (EN ISO/IEC 17065)

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SGS

Certificate FI21/968210, continued

GUANGDONG KINGFA SCI.& TECH.CO., LTD

Regulation (EU) 2016/425

Module B, EU type-examination

Issue 1

PPE Product

KINGFA (logo) Model KF-A F10(SC) particle filtering half mask, consisting of a five layer (Polypropylene/Polyethylene terephthalate) disposable face mask (available in White/Green/Black), with Polypropylene covered iron nose clip, Polyethylene terephthalate/ Polyurethane in Green/Black & White) ear loops and Polypropylene hook.

It is certified that the manufacturer's technical file and the above mentioned PPE have been assessed and found to meet the applicable Essential Health and Safety Requirements in Annex II of Regulation (EU) 2016/425 Personal Protective Equipment

The following have been applied:

EN 149: 2001 +A1:2009 (Respiratory protective devices- filtering half masks to protect against particles) device classification: FFP2 NR.

This certificate is issued on strict condition that appropriate checks on manufactured PPE, as detailed in Article 19(c) of the regulation are implemented and maintained while the model is in production.

Certification is based on technical file reference: KF-A F10(SC), Dated 26.01.2021.

SGS Reference Number UK/CRS 242998

This certificate remains the property of SGS Fimko Oy to whom it must be returned on request.

FINAS
Finnish Accreditation Service
S003 (EN ISO/IEC 17065)

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SGS Certification

Certificate CN20/42082

The management system of

Guangdong KINGFA SCI. &TECH. Co., Ltd.

No.28, Delong Avenue, Shijiao Town, Qingcheng District, Qingyuan City, Guangdong Province, 511545, P.R. China

has been assessed and certified as meeting the requirements of

Regulation (EU) 2016/425

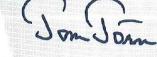
For the following activities

Manufacture of FFP1/FFP2 Protective Respirator (Note: all products marked CE0598 must have a valid EU Type Examination Certificates issued under Module B or a valid EC type examination certificate issued under Article 10 of the PPE Directive

This certificate is valid from 10 June 2020 until 9 June 2023 and remains valid subject to satisfactory surveillance audits. Re certification audit due before 26 May 2023 Issue 1. Certified since 10 June 2020

Authorised by





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TEST REPORTS







Test Report SL52105220022801TX GUANGDONG KINGFA SCI.&TECH. CO., LTD.

Date:January 18,2021

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NO.28 DELONG AVE., SHIJIAO TOWN, QINGCHENG DISTRICT, QING YUAN, GUANGDONG, CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)Particle filtering half mask

Sample Color : (A)white

Composition : (A)Polypropylene, Polyethylene terephthalate

Style No. : KF-A F10(SC)

Manufacturer : GUANGDONG KINGFA SCI.&TECH. CO., LTD.

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Jan 04, 2021

Testing Period : Jan 05, 2021 - Jan 18, 2021

Test Result(s) Unless otherwise stated the results shown in this test report refer only to the

sample(s) tested, for further details, please refer to the following page(s).

Conclusion:

Sample No.	Recommendation Level	
(A)	FFP2 NR	

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Sara Guo (Account Executive)



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Test Result

Personal Protective Equipment - Respiratory Protective Devices- Filtering Half Masks to Protect against Particles- Requirements, Testing, Marking

EN 149:2001+A1:2009

Clause 7.4 Packaging

(EN 149:2001+A1:2009 Clause 8.2)

Test Requirement	Results	Comment
Particle filtering half masks shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use.	Comply	Pass

Clause 7.5 Material

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

Test Requirement	Results	Comment
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.	Comply	
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.	Comply	Pass
When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.	Comply	
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	1

Clause 7.6 Cleaning and Disinfecting

(EN 149:2001+A1:2009, Clause 8.4 & 8.5 & 8.11)

Test Requirement	Results	Comment
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)

Test Requirement	Results	Comment
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



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Date: January 18,2021

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Clause 7.8 Finish of Parts (EN 149:2001+A1:2009, Clause 8.2)

Test Requirement	Results	Comment
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

Clause 7.9.1 Total Inward Leakage

(EN 149:2001+A1:2009, Clause 8.5)

Test Requirement	Results	Comment
The total inward leakage consists of three components: face seal leakage, exhalation valve leakage (if exhalation valve fitted) and filter penetration. 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	Detail refer to Appendix 1	Meet FFP1, Meet FFP2

Appendix 1: Summarization of Test Data

Inward Leakage Test Data

Subject	Sample No.	Condition	Walk(%)	Head Side/side(%)	Head up/down(%)	Talk(%)	Walk(%)	Mean(%)
Zhou	1	A.R.	3.52	4.15	4.77	4.14	4.37	4.19
Luo	2	A.R.	5.16	5.58	4.74	5.86	5.34	5.34
Lu	3	A.R.	4.48	4.09	3.96	4.80	4.26	4.32
Wang	4	A.R.	3.22	3.74	3.82	3.20	2.08	3.21
Bao	5	A.R.	5.36	5.05	5.38	5.12	5.54	5.29
Ding	6	T.C.	3.90	3.00	3.47	3.14	3.73	3.45
Li	7	T.C.	5.98	5.19	5.92	5.74	5.12	5.59
Chen	8	T.C.	3.42	3.25	4.52	3.92	3.88	3.80
Song	9	T.C.	4.37	4.34	4.29	4.31	5.47	4.56
Ye	10	T.C.	5.65	5.33	5.66	5.69	6.14	5.69

Facial Dimension

Subject	Face length	Face Width	Face Depth	Mouth Width
Chen	125	150	120	58
Lu	115	132	107	48
Zhou	115	135	106	52
Li	125	130	107	46
Luo	125	136	100	43
Zheng	128	140	112	55
Wang	120	147	103	48
Song	120	140	100	50
Bao	130	134	104	50



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Test Report	SL52105	5220022801TX	Date: January 18,2021	Page 4 of 10
Ding	134	150	110	52
Liu	120	135	117	50
Ye	126	137	105	52

Clause 7.9.2 Penetration of Filter Material

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

	Test Requirement	Results	Comment	
	of the filter of the particle filter the following table.	ing half mask shall meet the		
Classifica	Maximum penetrati	on of test aerosol		
tion	Sodium chloride test 95 l/min %	Paraffin oil test 95 l/min %	Detail refer to Appendix 2	Meet FFP1, Meet FFP2, Meet FFP3
	max.	max.	4.0	Weet FFF3
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 2: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)
		1	0.487
	As received	2	0.313
		3	0.376
		4	0.405
Sodium chloride test	Simulated wearing treatment	5	0.413
		6	0.372
	Mechanical strength +Temperature conditioned	7	0.604
		8	0.576
		9	0.548
	As received	10	0.153
		11	0.127
		12	0.135
		13	0.129
Paraffin oil test	Simulated wearing treatment	14	0.147
AL AND DESCRIPTION OF THE PARTY		15	0.136
	Markey in Labour Mr. (Tanan	16	0.522
	Mechanical strength +Temperature conditioned	17	0.582
	conditioned	18	0.567



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results shown in this lest report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Clause 7.10 Compatibility with Skin (EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Test Requirement	Results	Comment
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

Clause 7.11 Flammability

(EN 149:2001+A1:2009, Clause 8.6)

Test Requirement	Results	Comment
The material used shall not present a danger for the wearer and shall not be of highly flammable nature	Detail refer to	Pass
When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5 s after removal from the flame.	Appendix 3	Pass

Appendix 3: Summarization of Test Data

Flammability

Condition	Sample No.	Result
A	1	NIL
As received	2	NIL
	3	NIL
mperature conditioned	4	NIL

Clause 7.12 Carbon Dioxide Content of The Inhalation Air

(EN 149:2001+A1:2009, Clause 8.7)

Test Requirement	Results	Comment
The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume)	Detail refer to Appendix 4	Pass

Appendix 4: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	F	Result
	1	0.5734	
As received	2	0.5721	Mean value:0.57
	3	0.5735	



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<u>Clause 7.13 Head Harness</u> (EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Test Requirement	Results	Comment
The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.	Comply	
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)

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

Clause 7.15 Exhalation Valve(s)

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

Test Requirement	Results	Comment
(a) A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.	Not applicable due to No exhalation valve	
(b) 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.	Not applicable due to No exhalation valve	N A
(c) 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.	Not applicable due to No exhalation valve	N.A.
(d) When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10N applied for 10 s.	Not applicable due to No exhalation valve	



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Clause 7.16 Breathing Resistance (EN 149:2001+A1:2009, Clause 8.9)

	Test	Requirement	Results	Comment	
alf masks and s	hall meet the re	equirements of the			
Classification	Maximu	m permitted resist	tance (mbar)	D-t-ilft-	Meet FFP1,
	Inha	alation	Exhalation	Detail refer to	Meet FFP2,
	30 I/min	95 l/min	160 l/min	Appendix 5	Meet FFP3
FFP1	0.6	2.1	3.0		147-071-040-040-040-0-0-0-0-0-0-0-0-0-0-0-0-0-
FFP2	0.7	2.4	3.0		
FFP3	1.0	3.0	3.0		

Appendix 5: Summarization of Test Data

Breathing resistance (mbar)

50	Flancia (Vasia)		1						2 3					3	60 0		
3	Flow rate(l/min)	Α	В	C	D	E	Α	В	C	D	E	Α	В	C	D	E
As received	Inhalation	30	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.4
		95	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.5	1.5	1.5	1.4	1.5	1.4	1.5	1.5
	Exhalation	160	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.1	2.2
53	er				4				,	5	77				6		
Simulated	00	/min)	Α	В	C	D	E	Α	В	C	D	E	Α	В	C	D	E
wearing		30	0.4	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4
treatment	IIIIalauon	95	1.5	1.4	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.4	1.5	1.5	1.4	1.5	1.4
	Exhalation	160	2.1	2.1	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.2	2.1
					7					8					9		
	Flow rate(/min)	Α	В	С	D	E	Α	В	C	D	E	Α	В	С	D	E
Temperature	3	30	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.3
conditioned	Inhalation	95	1.4	1.4	1.5	1.5	1.4	1.4	1.4	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.5
3.0	Exhalation	160	2.1	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1

A: facing directly ahead; B: facing vertically upwards; C: facing vertically downwards; D: lying on the left side; E: lying on the right side



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Clause 7.17 Clogging

(EN 149:2001+A1:2009, Clause 8.9 & 8.10)

	Test Requirement		Results	Comment
alved particle fil fter clogging the FP1: 4 mbar, Ff he exhalation re bw. alveless particle fter clogging the	eathing resistance tering half masks: e inhalation resistances shall not FP2: 5 mbar, FFP3: 7 mbar at 95 esistance shall not exceed 3 mb e filtering half masks: e inhalation and exhalation resis FP2: 4 mbar, FFP3: 5 mbar at 95	5L/min continuous flow par at 160 L/min continuous tances shall not exceed:	Optional for single shift device only	N.A.
I types (valved eet the cloggin	enetration of filter material I and valveless) of particle filter g requirement shall also meet th	e requirements.		
If types (valved eet the clogging Classificatio	and valveless) of particle filte g requirement shall also meet th Maximum penetration	e requirements.	Ontional for single	
I types (valved eet the cloggin	and valveless) of particle filte g requirement shall also meet th Maximum penetration Sodium chloride test 95 l/min	e requirements. n of test aerosol Paraffin oil test 95 l/min	Optional for single	N.A.
If types (valved eet the clogging Classificatio	and valveless) of particle filte g requirement shall also meet th Maximum penetration	e requirements.	Optional for single shift device only	N.A.
If types (valved eet the clogging Classificatio	and valveless) of particle filte g requirement shall also meet th Maximum penetration Sodium chloride test 95 l/min	e requirements. n of test aerosol Paraffin oil test 95 l/min	A STATE OF THE PARTY OF THE PAR	N.A.
If types (valved eet the clogging Classificatio	and valveless) of particle filter g requirement shall also meet th Maximum penetration Sodium chloride test 95 l/min %	e requirements. n of test aerosol Paraffin oil test 95 l/min %	A STATE OF THE PARTY OF THE PAR	N.A.
Il types (valved eet the clogging Classificatio n	and valveless) of particle filter g requirement shall also meet the Maximum penetration Sodium chloride test 95 l/min % max.	e requirements. n of test aerosol Paraffin oil test 95 l/min % max.	A STATE OF THE PARTY OF THE PAR	N.A.

Clause 7.18 Demountable Parts (EN 149:2001+A1:2009, Clause 8.2)

Test Requirement	Results	Comment
All demountable parts (if fitted) shall be readily connected and secured, where possible by hand	No demountable parts	N.A.

Test	Uncertainty
Total inward leakage	3.4%
Penetration of filter material	4.8%
Carbon dioxide content of the inhalation air	3.9%
Breathing resistance (30L/min)	5.9%
Breathing resistance (95L/min)	4.9%
Breathing resistance (160L/min)	4.3%



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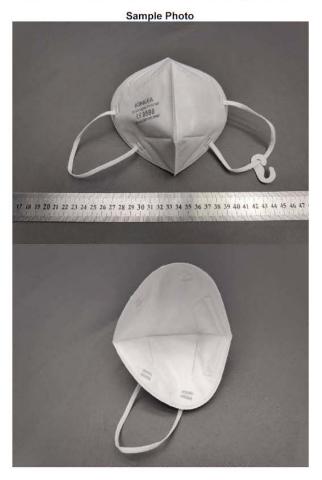
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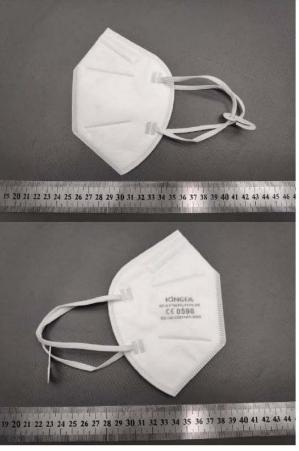
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End of Report



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results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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