产品介绍
Product description

企业简介
Company Profile

企业简介Company Profile

拥有过百台口罩生产设备，运行稳定、效率高、周期短，每日产能近千万只。生产场地设置12000多平方，配套10万级无尘车间及5万级检测化验实验室，使用高等级熔喷布制造，口罩生产工艺技术领先，品质保证。

With more than one hundred mask production equipment, it has stable operation, high efficiency and short cycle, with a daily production capacity of nearly ten million.The production site is set over12,000 square meters, supporting 100,000-level dust-free workshop and 50,000-level inspection and testing laboratory, and manufactured with high-grade melt-blown cloth. The mask production technology is leading and quality assurance.

工厂直发，拥有国内及国外双清关能力，已出口各疫情需求国，取得良好口碑。好家风致力打造，守护全世界民众呼吸防护安全的优质产品！

The factory has direct delivery and has both domestic and foreign customs clearance capabilities. It has been exported to countries in need of epidemic situations and has achieved good reputation. Haojiafeng is committed to creating high-quality products that protect the safety of respiratory protection of people all over the world!

企业简介Company Profile

证书
Certificate

SGS-FFP2-CE

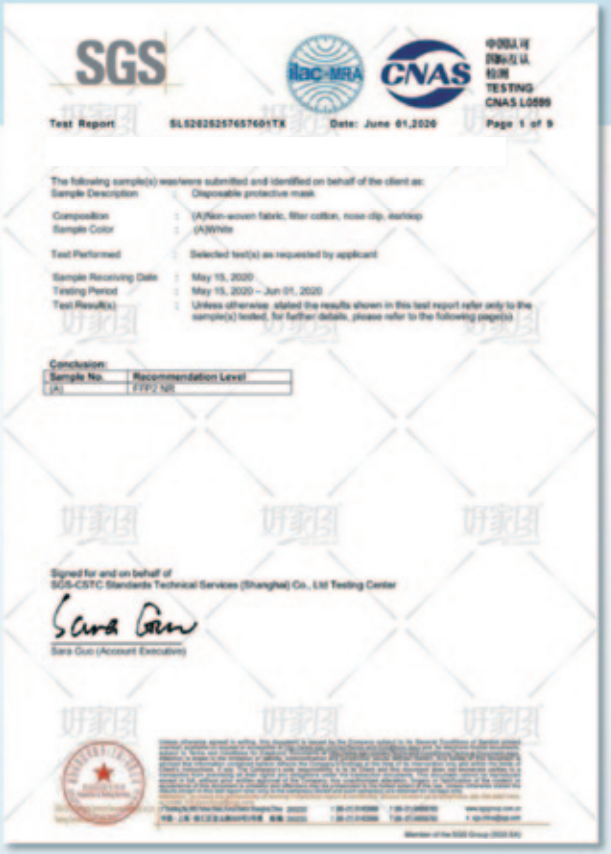
FFP2

SGS-FFP2-CE

FFP2

检测报告/Test Report

FFP2



SGS

Test Report SLS2020257657601TX Date: June 01,2020 Page 1 of 9

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

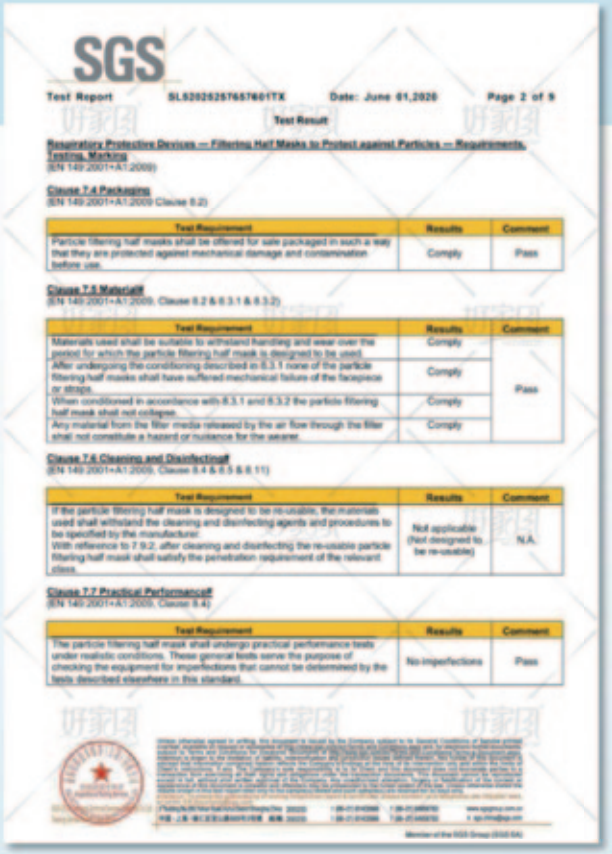
Sample Description	:	Disposable protective mask
Composition	:	(A)Non-woven fabric, filter cotton, nose clip, earloop
Sample Color	:	(A)White
Test Performed	:	Selected test(s) as requested by applicant
Sample Receiving Date	:	May 15, 2020
Testing Period	:	May 15, 2020 -- Jun 01, 2020
Test Result(s)	:	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

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)

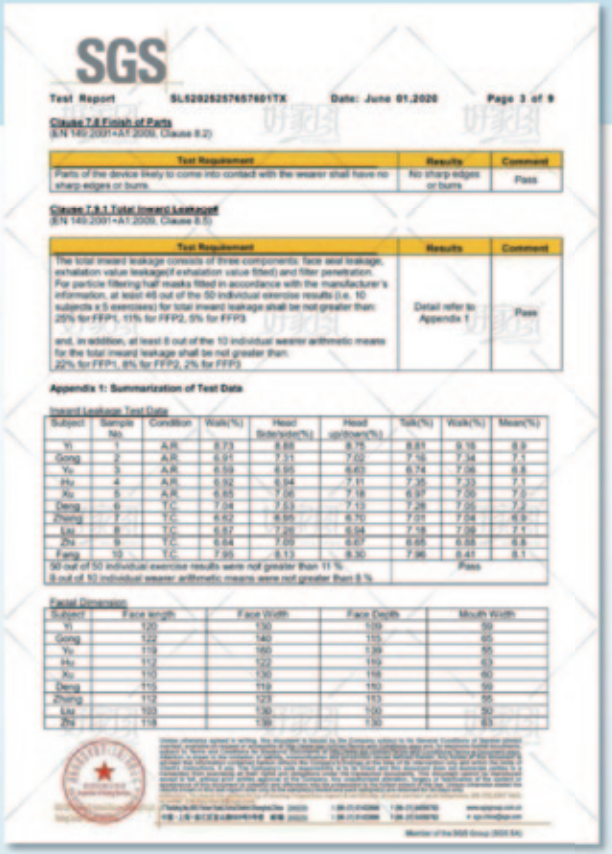
Test Requirement	Results	Comment
Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used.	Comply	Pass
After undergoing the conditioning described in 8.3.1 none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps.	Comply	
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	

Clause 7.6 Cleaning and Disinfection#
(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



SGS

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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 8.6)

Test Requirement	Results	Comment
The total inward leakage consists of three components: face seal leakage, exhalation value leakage(if exhalation value 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	Pass

Appendix 1: Summarization of Test Data

Inward Leakage Test Data

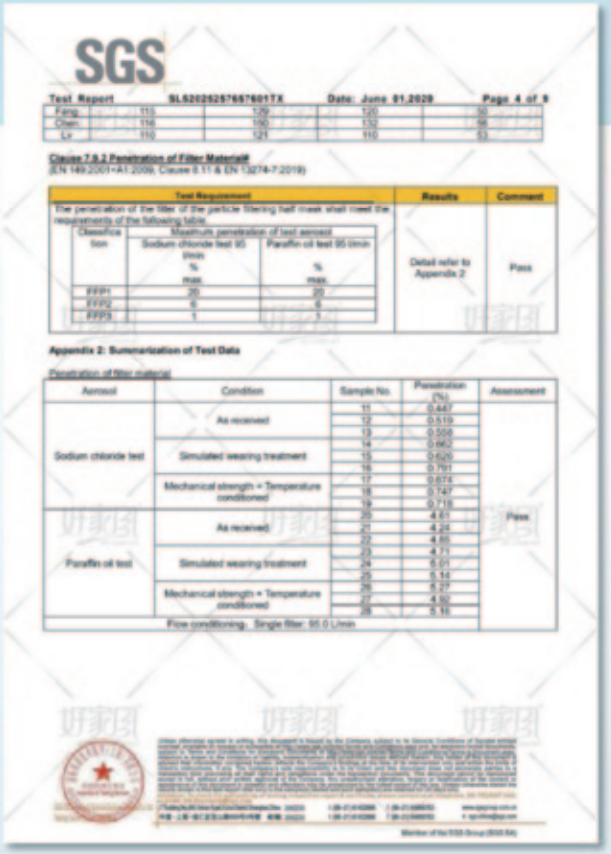
Subject	Sample No.	Condition	Walk(%)	Head Side(wide)(%)	Head up/down(%)	Talk(%)	Walk(%)	Mean(%)
Yi	1	A/R	8.73	8.88	8.75	8.81	9.18	8.9
Gong	2	A/R	6.91	7.51	7.02	7.12	7.34	7.1
Yu	3	A/R	6.59	6.95	6.43	6.74	7.06	6.8
Hu	4	A/R	6.92	6.94	7.11	7.35	7.33	7.1
Xu	5	A/R	6.85	7.06	7.18	6.97	7.09	7.0
Deng	6	T/C	7.34	7.53	7.13	7.26	7.05	7.2
Zhang	7	T/C	6.62	6.95	6.70	7.01	7.04	6.9
Liu	8	T/C	6.97	7.25	6.94	7.18	7.09	7.1
Zhu	9	T/C	6.64	7.03	6.87	6.95	6.95	6.9
Fang	10	T/C	7.95	8.11	8.30	7.96	8.41	8.1
50 out of 50 individual exercise results were not greater than 11 % 8 out of 10 individual wearer arithmetic means were not greater than 8 %							Pass	

Facial Dimension

Subject	Face length	Face Width	Face Depth	Mouth Width
Yi	120	130	109	59
Gong	122	140	115	65
Yu	119	160	139	66
Hu	112	122	119	63
Xu	110	130	116	60
Deng	119	119	110	59
Zhang	112	128	113	56
Liu	103	130	100	50
Zhu	118	136	130	63

检测报告/Test Report

FFP2



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Fang	113	129	120	30
Chen	116	150	132	96
Lv	110	121	110	53

Clause 7.9.2 Penetration of Filter Material#
(EN 149:2001+A1:2009, Clause 8.11 & EN 13274-7:2019)

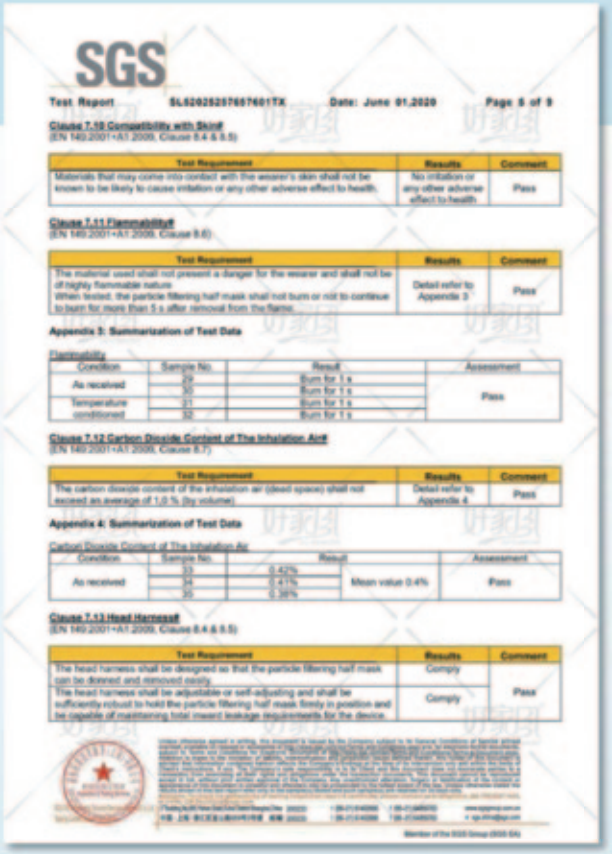
Test Requirement	Results	Comment
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table.	Detail refer to Appendix 2	Pass

Classification	Maximum penetration of test aerosol	
	Sodium chloride test 95 l/min % max	Paraffin oil test 95 l/min % max
FFP1	20	20
FFP2	6	6
FFP3	1	1

Appendix 2: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)	Assessment
Sodium chloride test	As received	11	0.447	Pass
		12	0.519	
		13	0.558	
	Simulated wearing treatment	14	0.662	
		15	0.625	
		16	0.791	
	Mechanical strength + Temperature conditioned	17	0.674	
		18	0.747	
		19	0.718	
Paraffin oil test	As received	20	4.61	
		21	4.24	
		22	4.66	
	Simulated wearing treatment	23	4.71	
		24	5.01	
		25	5.14	
	Mechanical strength + Temperature conditioned	26	5.27	
		27	4.92	
		28	5.16	
Flow conditioning: Single filter: 95.0 L/min				



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Clause 7.10 Compatibility with Skin#
(EN 140:2001+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 140:2001+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. 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.	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Flammability

Condition	Sample No.	Result	Assessment
As received	29	Burn for 1 s	Pass
	30	Burn for 1 s	
Temperature conditioned	31	Burn for 1 s	
	32	Burn for 1 s	

Clause 7.12 Carbon Dioxide Content of The Inhalation Air#
(EN 140:2001+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

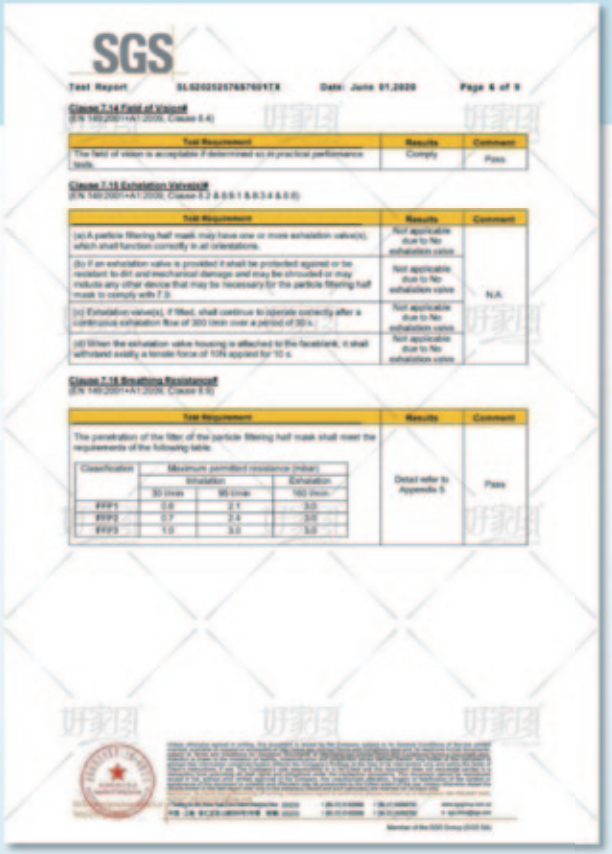
Appendix 4: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result		Assessment
As received	33	0.42%	Mean value 0.4%	Pass
	34	0.41%		
	35	0.39%		

Clause 7.13 Head Harness#
(EN 140:2001+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	Pass
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	



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Clause 7.14 Field of Vision#
(EN 140:2001+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 140:2001+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	N.A.
(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 7.3.	Not applicable due to No exhalation valve	
(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	
(d) When the exhalation valve housing is attached to the facepiece, it shall withstand axially a tensile force of 10N applied for 10 s.	Not applicable due to No exhalation valve	

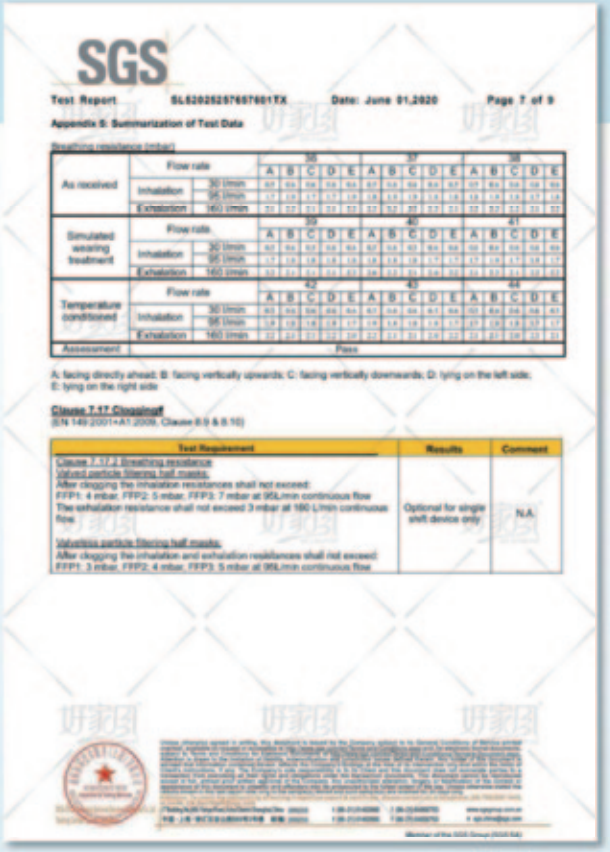
Clause 7.16 Breathing Resistance#
(EN 140:2001+A1:2009, Clause 8.8)

Test Requirement	Results	Comment
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table.	Detail refer to Appendix 6	Pass

Classification	Maximum permitted resistance (mbar)			
	Inhalation		Exhalation	
	30 l/min	95 l/min	160 l/min	
FFP1	0.6	2.1	3.0	
FFP2	0.7	2.4	3.0	
FFP3	1.0	3.0	3.0	

检测报告/Test Report

FFP2



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Appendix 5: Summarization of Test Data

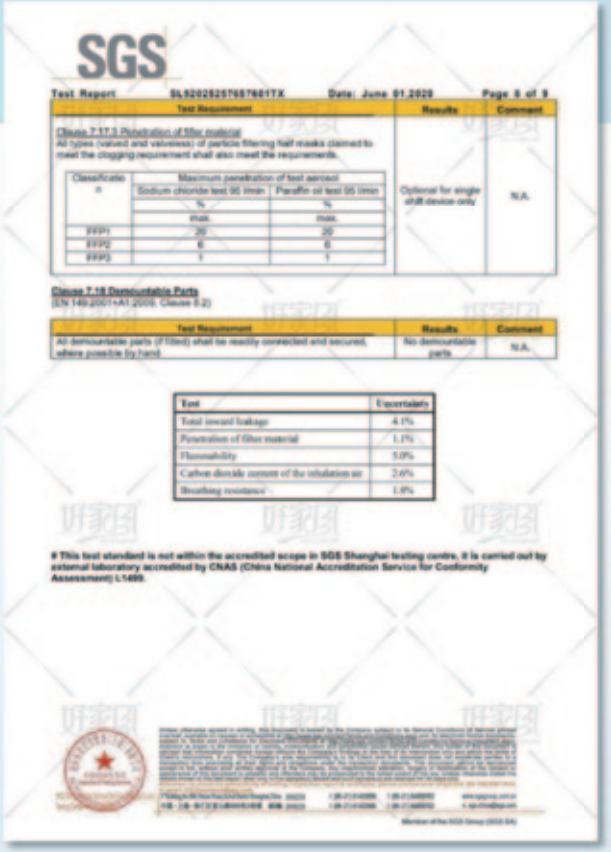
Breathing resistance (mbar)

			36					37					38				
	Flow rate		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
As received	Inhalation	30 l/min	0.7	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.6
		95 l/min	1.7	1.6	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8
	Exhalation	160 l/min	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
			39					40					41				
	Flow rate		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
Simulated wearing treatment	Inhalation	30 l/min	0.7	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
		95 l/min	1.7	1.6	1.6	1.6	1.6	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.7	1.6	1.7
	Exhalation	160 l/min	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
			42					43					44				
	Flow rate		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
Temperature conditioned	Inhalation	30 l/min	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
		95 l/min	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.7	1.7
	Exhalation	160 l/min	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Assessment			Pass														

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

Clause 7.17 Clogging#
(EN 149:2001+A1:2009, Clause 8.9 & 8.10)

Test Requirement	Results	Comment
Clause 7.17.2 Breathing resistance Valved particle filtering half masks: After clogging the inhalation resistances shall not exceed: FFP1: 4 mbar, FFP2: 5 mbar, FFP3: 7 mbar at 95L/min continuous flow The exhalation resistance shall not exceed 3 mbar at 160 L/min continuous flow. Valveless particle filtering half masks: After clogging the inhalation and exhalation resistances shall not exceed: FFP1: 3 mbar, FFP2: 4 mbar, FFP3: 5 mbar at 95L/min continuous flow.	Optional for single shift device only	N.A.



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Test Requirement	Results	Comment
Clause 7.17.3 Penetration of filter material All types (valved and valveless) of particle filtering half masks claimed to meet the clogging requirement shall also meet the requirements.	Optional for single shift device only	N.A.

Classification	Maximum penetration of test aerosol	
	Sodium chloride test 95 l/min	Paraffin oil test 95 l/min
	%	%
	max.	max.
FFP1	20	20
FFP2	6	6
FFP3	1	1

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	4.1%
Penetration of filter material	1.1%
Flammability	5.0%
Carbon dioxide content of the inhalation air	2.6%
Breathing resistance	1.8%

 # This test standard is not within the accredited scope in SGS Shanghai testing centre. It is carried out by external laboratory accredited by CNAS (China National Accreditation Service for Conformity Assessment) L1499.

SGS

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Sample Photo

End of Report

SGS-FFP2-CE

FFP2

HO-COMFORT™

EU DECLARATION OF CONFORMITY

No.:HOC-001

This declarotion of conformity is Issued under the sole responsibility of the monufocturer for the desIgnoted product described below. The object of the declaration described below is in conformity with the relevont Union Hormonization Legislation:
Regulation (EU) 2016/425.

*The notified body UnIversal (NB: 0598) performed the **EU TYPE-EXAMINATION (MODULE B)** and Issued **EU TYPE-EXAMINATION CERTIFICATE.** The product subject to the conformIty assessment procedure: **CONFORMITY TO TYPE BASED ON INTERNAL PRODUCTION CONTROL PLUS SUPERVISED PRODUCT CHECKS AT RANDOM INTERVALS (MODULE C2)** under surveWance of the notified body UnIversal (NB: 0598)*

MANUFACTURER:	
PRODUCT NAME:	Filtering Half Mask
CLASSIFICATION:	FFP2 NR
MODEL:	HOC-001
HARMONIZED STANDARDS:	EN149:2001+ A1:2009 Respiratory Protective Device-Filtering Half Masks to Protect against particles - Requlrements, Testing, Markin
CERTIFICATE NUMBER:	0598
NOTIFIED BODY INFORMATION:	Societe Generale de Surveillance S.A UYGUNLUK DEGERLENDiRME HIZMETLERi VE TiC. A.S. (NB ID: 0598)

This declaration applies to all specimens manufactured identical to the model submitted for evaluation. Assessment of compliance of the product with the requirements relating to safety standards and legal requirements listed above was performed by manufacturer.
Other relevant legal requirements for product and manufacturing have to be observed.

CE

Guangdong Beilun Household Paper Industry Co.,ltd.

General Manager:

Signature:

Place & Date: Dongguan City, 1st

广东北伦生活用纸有限公司 检验合格

产品包装
Product packaging

产品介绍/product description

FFP2

Information of Manufacturer

EU- Type Examination Notified Body

Notified Body:SGS Fimko Oy

Address:Takomotie 8, FI-00380 Helsinki, Finland

Notified Body No.0598

Check before use

The mask must be selected properly for intended application. An individual risk assessment must be evaluated. Check the mask that it is undamaged with no visible defects. Check that the expiry date has not been reached (see the packaging). Check the protection class (FFP1 NR/ FFP2 NR/ FFP3 NR) is appropriate for the product used and its concentration. Do not use the mask if a defect is present or the expiry date has been exceeded.

This product is designed to protective against the risks:

These devices are designed to protect against both solid and liquid aerosols.

Risk	Standard Clause	Assessment method
Penetration of particle	EN 149:2001+A1:2009, clause 7.9.1 and 7.9.2	Total inward leakage test, Penetration of filter material

Easy to Use

1. Unfold the mask.
2. Position the mask under the chin covering mouth and nose.
3. Adjust the harness to make it comfortable
4. Press soft nosepiece to conform snugly around the nose.
5. To check fit, both hands over the mask and exhale vigorously. If air flows around nose, ////tighten the nosepiece. If air leaks around the edge,reposition the harness for better fit. ////Re-check the seal and repeat the procedure until the mask is sealed properly.

Usage/ Limitations

This respirator is suitable for use in protection against the non-toxic solid and liquid aerosols.

Do not use out of the scope of use defined in the warnings.

Failure to properly use this product may result in serious health damage or death.

FFP1 NR: Filter Efficiency 80%; Allocated Protection Factor (FPA) is 4; Examples of applications are Handling of stone / rubble cellulose.

FFP2 NR: Filter Efficiency 94%; Allocated Protection Factor (FPA) is 10, Examples of applications are Sanding of soft wood, composite materials, rust, putty, plaster, plastics cutting, deburring, grinding, drilling of metal.

FFP3 NR: Filter Efficiency 99%; Allocated Protection Factor (FPA) is 20; Examples of applications are Sanding of hard wood (beech, oak) treatment of wood using copper, chrome or arsenic based products impact stripping of paint sanding of cement.

产品介绍/product description

FFP2

Warnings

1.Failure to follow all instructions and limitations on the use of this product, or failure to achieve proper fit, may result in damage to your health or death.

2.A properly selected respirator is essential to protect your health. Before using this respirator consult a suitably qualified safety professional to determine the suitability of the product for your intended use.

3.This product does not supply oxygen. Use only in adequately ventilated areas containing sufficient oxygen to support life. Do not use this respirator when the oxygen concentration is less than 19.5%.

4.Do not use when concentrations of contaminants are immediately dangerous to health or life. Do not use this product in an explosive atmosphere.

5.Leave the work area immediately if: a) breathing becomes difficult or b) dizziness or other distress occurs.

6.Facial hair, beards and certain facial characteristics may reduce the ef fectiveness of this respirator.

7.Never alter or modify this respirator in any way (except as indicated in the instructions).

8. "NR" means this particle filtering half mask shall not be used for more than one shift. No maintenance is necessary. Discard respirator after use or if damaged in any way.

9.The length of time this respirator can be used depends on contaminants present but should not exceed one shift. The respirator should be replaced sooner if breathing becomes difficult.

10.The head straps are made of synthetic rubber, which may cause skin allergies. Remove the mask immediately if irritation occurs.

11.Keep respirators in the display box away from direct sunlight or contaminants until use. Ambient storage conditions as temperature between -30℃ to +70℃, and relative humidity <80%.

12.Unless this is fitted according to the "Easy to use" instructions the respirator will not provide the expected level of protection.

13.This respirator is suitable for use in protection against the non-toxic solid and liquid aerosols.

14.Failure to achieve proper fit may result in serious health damage or death.

15.See information supplied by the manufacturer.

16.The respirators must be stored and transported in their original package and protected by the storage temperature and humidity as suggested by the manufacturer.

Marking

Marking on Product	Description on label	Explanation
HO-COMFORT HCF-001 FFP2 NR EN 149:2001 + A1:2009 CE 0598	HO-COMFORT	Identification Mark
	HCF-001	Product Identification
	CE0598	CE mark
	EN149:2001+ A1:2009	Number of European standard
	FFP2 NR	Protection category

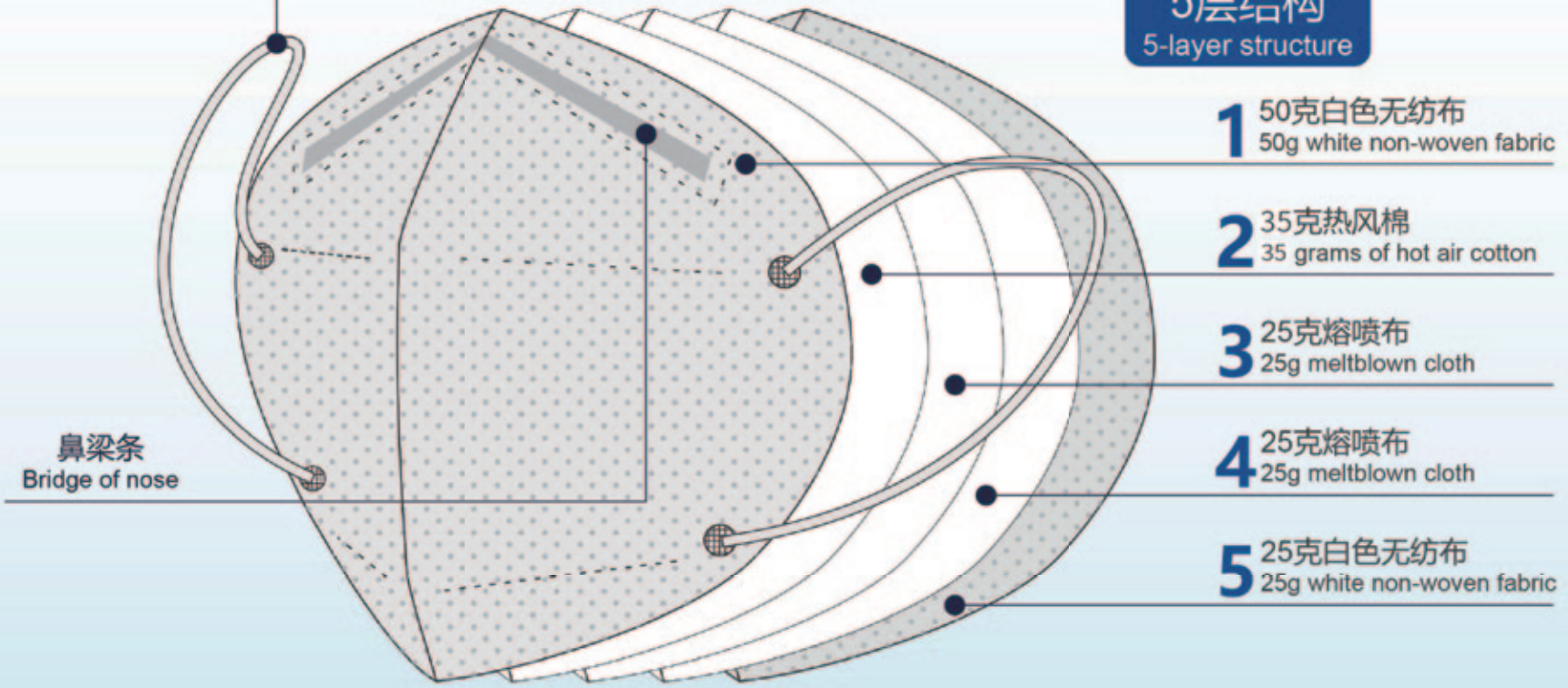
End of shelf life

3 years after manufacture date (on packaging)

口罩结构图Mask structure diagram

结构组成
Structural composition

- 口罩带 Mask band
- 鼻梁条 Bridge of nose
- 口罩体 Mask body
  - 5层结构 5-layer structure



产品折叠面/Folding surface

展开正面/Unfold front

展开背面/Expand back

产品包装图/Product packaging

一次性防护口罩 protective masks				
类别/Category	数量/Quantity	尺寸/Size	重量/weight	体积/Volume
纸盒/Paper box	20个/盒20 pcs / box	140×90×157mm	0.6Kg	0.01978m³
外箱/Carton	50盒/箱50boxes / carton	725x475x332mm	1.4kg	0.1143m³

联系方式 /Contact information

邮箱 Email: lysparis.fnrs@gmail.com

联系电话Tel: +33635025550