Basic Info

Productname: QIANGUO kn95 non medical ear face mask
Mask size:16cm ×10.5cm，2mm thick
Filterlayer:four layers,two layers of 50g non-woven fabric,two layers of 25g melt blown fabric
Filterrate:≥95%
Total inhale resistance [Pa]:≤350pa
Total exhalation resistance [Pa]:≤250pa
Flammability (s):≤5s

Per mask (not include delivery)
1.Chinese Factory price with tax:
8RMB=1.05EUR=1.13USD
2.Agency fee:6RMB=0.78EUR=0.85USD

Total:14RMB=1.82EUR=1.98USD(Settled in RMB)

Minimum order:5000 pieces

Delivery:
1.cargo ship freight ,45RMB=6.4USD/kilo(Volume weight),per mask is around 0.7RMB=0.1USD=0.09EUR , actual charge according to the actual weight , arriving within 20days

2.charter plane freight ,150RMB=21USD/kilo(Volume weight),per mask is around 2RMB=0.3USD=0.27EUR , actual charge according to the actual weight ,arriving 7-10days

The outlook

Filtering effect ≥95%

Suitable for
PM2.5
Haze,Dust
Pollen and other protection

★ ★ ★ ★ ★

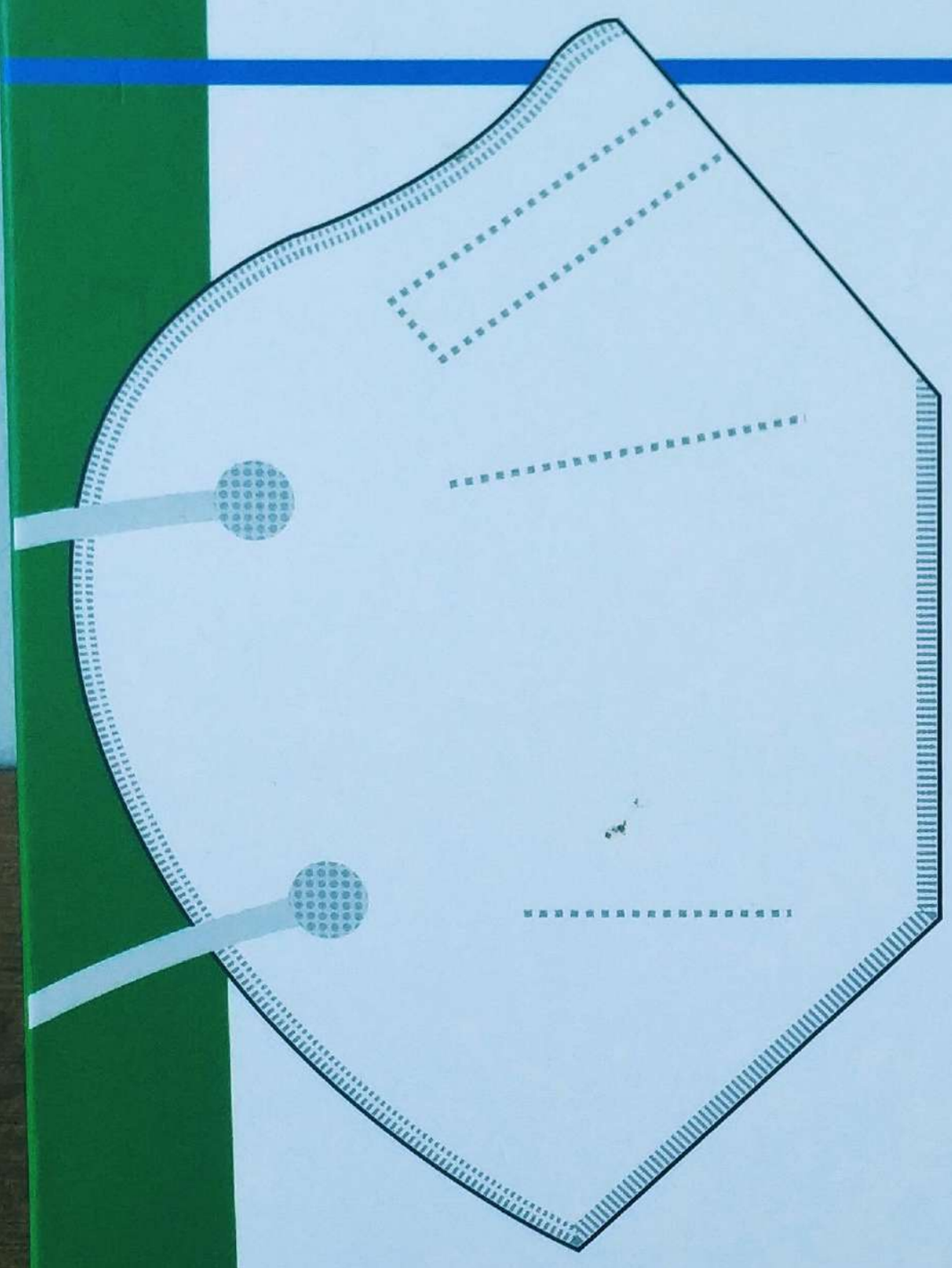
KN95

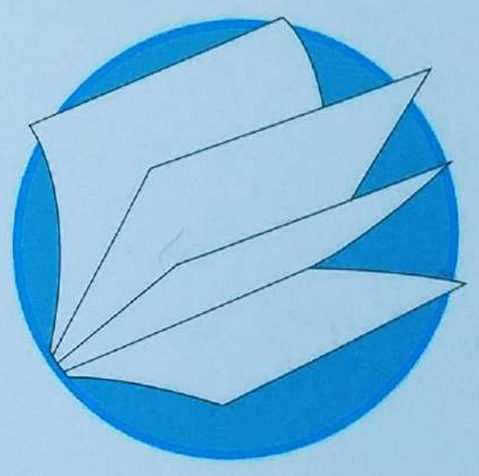
EAR FACE MASK

MASK

Advanced environmental protection non-woven fabric,multi layer fabric can effectively resist fine particles(PM2.5) and bacteria in air pollution

CE





FOUR LAYERS OF FABRIC

20PIECES/PACK

USAGE

Mask on mouth and nose,prevent inhalation of dust

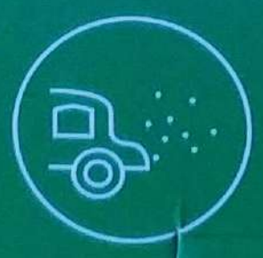
WEARING METHOD

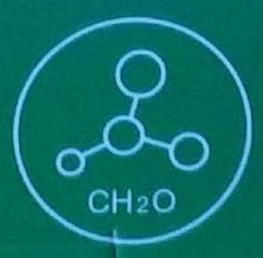
1.FACE THE MASK WITHOUT THE NOSE CLIP,AND THE NOSE CLIP SHOULD BE ON TOP;
2.HOLD THE MASK ON YOUR FACE AND AGAINST YOUR CHIN;
3.PULL THE STRAPS ON BOTH SIDES AND HANG ON THE EARS, AND ADJUST TILL YOU FEEL COMFORTABLE
4.PUT YOUR FINGERS IN THE MIDDLE OF THE METAL NOSE CLIP, AND MOVE YOUR FINGERTIPS TO BOTH SIDES UNTIL THE NOSE CLIP IS FULLY PRESSED INTO THE SHAPE
5.PUT YOUR HANDS ON YOUR FACE TO CHECK THE TIGHTNESS WITH YOUR FACE

PRODUCT INFORMATION

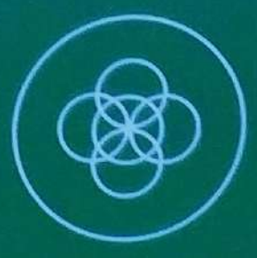
【PRODUCT NAME】 EAR FACE MASK
【MODEL】 Ordinary
【PREODUCT PERFORMANCE STRUCTURE AND COMPOSITION】
This product is made of multilayer thin fabric
【MANUFACTURER】
Zhongshan Qianguo Protective Appliance Electronics Co.,Ltd
【PRODUCTION ADDRESS】
1-2F, No.10, Hengri Lane, Bogong Shequ,Dongfeng town,Zhongshan city
【ORODUCTION DATE】 See the outer package for batch number
【SHELF LIFE】 3 years
【NOTE】 Patients with dyspnea or congenital heart should use it carefully
This preduct can not be used as gas mask in toxic environment

INFLUENZA VIRUS

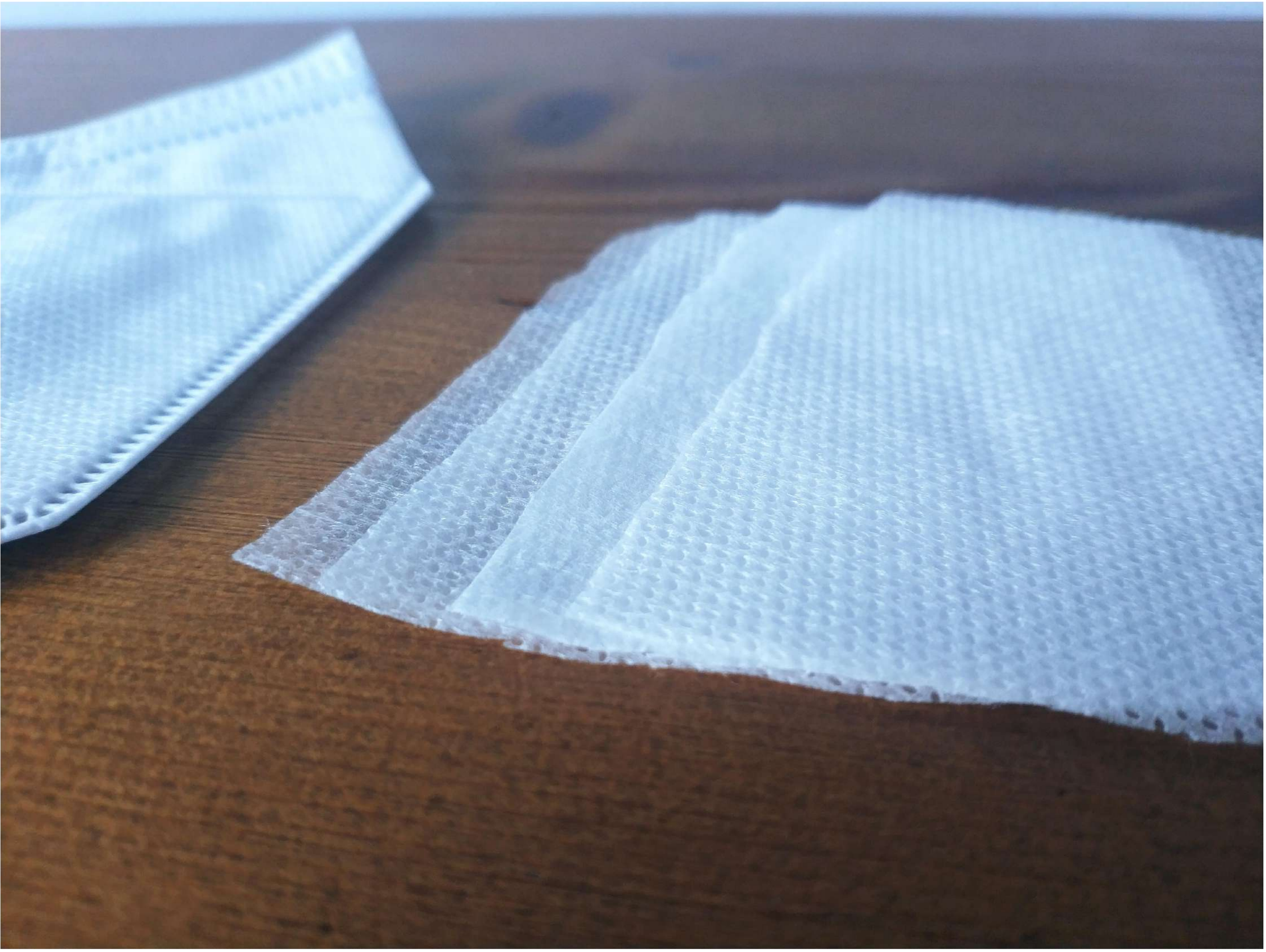

AUTOMOBILE EXHAUST



DECORATION ODOR


POLLEN ALLERGY

KN95
FFP2
EN 149:2001+A1:2009



Certificate and test report

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TMC
Access to global market

Certificate of Compliance

Certificate No.:	TMC200320139-S
Applicant/ Address:	**Zhongshan Qianguo Protective Equipment Technology Co., Ltd** Floor 1 and 2, No.10, Hengri Lane, Bogong Community, Dongfeng Town, Zhongshan City, Guangdong, China
Manufacturer/ Address:	**Zhongshan Qianguo Protective Equipment Technology Co., Ltd** Floor 1 and 2, No.10, Hengri Lane, Bogong Community, Dongfeng Town, Zhongshan City, Guangdong, China
Product Name:	**Protective Respirator (mask) for civil use**
Trade Name:	N/A
Model/Item Number :	KN95 Protective Mask
Rated:	--
Classification:	Class I, FFP2
Date and Number of Test Report:	March 26,2020 TMC200320139-S
EC-directive:	PPE Directive (EU) 2016/425
Test Standard:	EN149:2001+A1:2009

Conclusion

This Declaration of PPE Compliance has been granted to applicant based on the results of tests, performed by Laboratory of TMC Testing Services (Shenzhen) Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards and the PPE Directive (EU) 2016/425. It is possible to use CE marking to demonstrate the compliance with this Directive.

Place and date of issue: Shenzhen, March 26,2020

TMC Testing Services (Shenzhen) Co., Ltd.
1st Floor, Block A1, Zone A, Xinshidai Gongrong Industrial Park, No. 2,
Shihuan Road, Shiyan Street, Baoan District, Shenzhen, China
Tel: +86-755- 86642861
Email:cert@tmc-lab.com
Http://www.tmc-lab.com

Bauart geprüft TMC Access to global market Product Safety Type approved

Lab Director
Lemon Rao

CE

Test Report

On Behalf of

Zhongshan Qianguo Protective Equipment Technology Co., Ltd

Protective Respirator (mask) for civil use

Model : KN95 Protective Mask

Prepared for : **Zhongshan Qianguo Protective Equipment Technology Co., Ltd**
Floor 1 and 2, No.10, Hengri Lane, Bogong Community, Dongfeng Town, Zhongshan City, Guangdong, China

Prepared By : **TMC Testing Services (Shenzhen) Co., Ltd.**
1st Floor, Block A1, Zone A, Xinshidai Gongrong Industrial Park, No. 2, Shihuan Road, Shiyan Street, Baoan District, Shenzhen, China
Tel: +86-755- 86642861
Web: www.tmc-lab.com
E-mail：Cert@tmc-lab.com

TEST REPORT
EN 149
Respiratory protective devices. Filtering half masks to protect against particles.Requirements,testing,marking

Report Reference No	:	TMC200320139-S
Checked by (printed name and signature) ... ;		Seven Liu
Approved by (printed name and signature) ... ;		Lemon Rao
Date of issue....................................	:	March 26, 2020
Testing laboratory..........................	:	TMC Testing Services(Shenzhen) Co., Ltd.
Address...	:	1st Floor, Block A1, Zone A, Xinshidai Gongrong Industrial Park, No. 2, Shihuan Road, Shiyan Street, Baoan District, Shenzhen, China
Applicant's name..........................	:	Zhongshan Qianguo Protective Equipment Technology Co., Ltd
Address...	:	Floor 1 and 2, No.10, Hengri Lane, Bogong Community, Dongfeng Town, Zhongshan City, Guangdong, China
Manufacturer's name....................	:	Zhongshan Qianguo Protective Equipment Technology Co., Ltd
Address...	:	Floor 1 and 2, No.10, Hengri Lane, Bogong Community, Dongfeng Town, Zhongshan City, Guangdong, China
Factory's name..............................	:	Same as applicant
Address...		
Test specification:		
Standard..	:	EN 149:2001+A1:2009
Test procedure....................................	:	CE
Non-standard test method..................	:	N/A
Test Report Form No.....................	:	TMC200320139-S
TRF Originator....................................	:	TMC
Master TRF...	:	Dated 2019-01
Test item description....................	:	Protective Respirator (mask) for civil use
Trade Mark...	:	N/A
Model/Type reference.........................	:	KN95 Protective Mask
Ratings..	:	--

Possible test case verdicts:

- test case does not apply to the test object ... N (Not apply)

- test object does meet the requirement...........P (Pass)

- test object does not meet the requirement..... F (Fail)

Testing ....

Date of receipt of test item .... March 16, 2020

Date(s) of performance of tests .... March 16, 2020 to March 26, 2020

General remarks:

The test results presented in this report relate only to the object tested.

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

"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

General product information:

N/A

Copy of marking plate:

Protective Respirator (mask) for civil use
Model:KN95 Protective Mask
Standard: EN 149:2001+A1:2009
Classification：FFP2

CE

Zhongshan Qianguo Protective Equipment Technology Co., Ltd
Made in China

Clause	Requirement – Test	Result - Remark	Verdict
5	Classification		--
	Particle filtering half masks are classified according to their filtering efficiency and their maximum total inward leakage. There are three classes of devices:		P
	- FFP1		N
	- FFP2	>95%	P
	- FFP3		N
6	Designation		--
	Particle filtering half masks meeting the requirements of this European Standard. Year of publication, classification, option	Particle filtering half mask EN149:2001+A1:2009 FFP2 NR.	P
7	**Requirements**		--
7.1	General		P
	All test all test samples shall meet the requirements.	Compled the requirement, see bellow	P
7.2	Nominal values and tolerances		P
	Unless otherwise specified,the values stated in this European Standard are experature limits.		P
7.3	Visual inspection		P
	The visual inspection shall also include the marking and the information supplied by the manufacturer.	Clear marking is provided, see sample body	P
7.4	Packaging		P
	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.		P
7.5	Material		P
	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. Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.	Comfortable wearing, when releasing no hazards is produced.	P
7.6	Cleaning and disinfecting		N
	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.	It's is not re-usable.	N
7.7	Practical performance		P
	The particle filtering half mask shall undergo practical performance tests under realistic conditions.	Complied, see append test.	P
7.8	Finish of parts		P
	come into contact with the wearer shall have no sharp edges or burrs		P
7.9	Leakage	See append table 8.5	P
7.9.1	Total inward leakage		P

Clause	Requirement – Test	Result - Remark	Verdict
	The laboratory tests shall wearer to protect with high probability against the potential hazard to be expected.	Enough safe condition is Provide.	P
	Exercise results for total inward leakage shall be not greater than 25% for FFP1 11% for FFP2 5% for FFP3	FFP2, Not exceed 11%	P
	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.	FFP2, Not exceed 8%	P
7.9.2	Penetration of filter material		P
	The penetration of the filter of the particle filtering half mask shall meet the requirements of Table 1.	see append table 7.92	P
7.10	Compatibility with skin		P
	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.		P
7.11	Flammability		P
	The material used shall not present a danger for the wearer and shall not be of highly flammable nature.		P
7.12	Carbon dioxide content of the inhalation air		P
	The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0% (by volume).	<1.0%	P
7.13	Head harness		P
	Head harness shall be designed can be donned and removed easily and adjustable or selfadjusting and sufficiently robust to hold the particle.	Head harness is donned and removed easily	P
7.14	Field of vision		P
	Field of vision is acceptable in practical performance tests.	Clear field of vision when wearing	P
7.15	Exhalation valve(s)		N
	A particle filtering half mask may have one or more exhalation valve(s) and shall function correctly in all orientations.	One valve provided	N
	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.	Clearly function	N
	Exhalation valve(s) shall continue to operate correctly after a continuous exhalation flow of 300 l/min over a period of 30 s.		N
	Exhalation valve housing is attached to the faceblank, and withstand axially a tensile force of 10 N applied for 10 s.		N
7.16	Breathing resistance		P
	Exhalating resistances apply to valved and valveless and shall meet the requirements		P
7.17	Clogging		N
	General		N

Clause	Requirement – Test	Result - Remark	Verdict
	For single-use devices clogging test is an optional test.		N
	Devices designed to be resistant to clogging, shown by a slow increase		N
	The specified breathing resistances shall not be exceeded before the required dust load of 833 mg·h/m³.		N
7.17.2	Breathing resistance		N
7.17.2.1	Valved particle filtering half masks		N
7.17.2.2	Valveless particle filtering half masks		N
7.17.3	Penetration of filter materia		N
	All types claimed to meet the clogging requirement shall also meet the penetration requirements given in 7.9.2 after the treatment.		N
7.18	Demountable parts		N
	All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.	No such demountable part	N
8	Testing		--
8.1	General		P
	No special measuring devices and methods are specified, commonly used devices and methods shall be used.		P
8.2	Visual inspection		P
	The visual inspection is carried out appropriate by the test house prior to laboratory or practical performance tests.		P
8.3	Conditioning		P
8.3.1	Simulated wearing treatment		P
	A breathing machine is adjusted to 25 cycles/min and 2,0 l/stroke.	25 cycles/min 2,0 l/stroke.	P
	For testing, a saturator is incorporated in the exhalation line between the breathing machine and the dummy head.	A saturator incorporated by breathing machine and the dummy head.	P
	The spilling out of the dummy's mouth and contaminating the particle filtering half mask the head shall be incline	Incline considered	P
8.3.2	Temperature conditioning		P
	Expose masks to the following thermal cycle:		P
	a) for 24 h to a dry atmosphere of (70 ± 3) ℃;		P
	b) for 24 h to a temperature of (-30 ± 3) ℃;		P
	Allow to return to room temperature for at least 4 h between exposures and prior to subsequent testing	5h to paid for	P
8.3.4	Flow conditioning		P
	A total of 3 valved particle filtering half masks shall be tested, one as received and two temperature conditioned in accordance with 8.3.2.		P
9	Marking		--
9.1	Packaging		P

Clause	Requirement – Test	Result - Remark	Verdict
	The following information shall be clearly and durably marked on the smallest commercially available packaging or legible through it if the packaging is transparent.	Complied, clearly marked	P
9.1.1	The name, trademark or other means of identification of the manufacturer or supplier.		P
9.1.2	Type-identifying marking.		P
9.1.3	Classification: FFP1, FFP2, FFP3.	FFP2 NR	P
9.1.4	The number and year of publication of this European Standard.		P
9.1.5	At least the year of end of shelf life.		P
9.1.6	The sentence 'see information supplied by the manufacturer', at least in the official language(s) of the country of destination, or by using the pictogram as shown in Figure 12b.		P
9.1.7	The manufacturer's recommended conditions of storage (at least the temperature and humidity) or equivalent pictogram, as shown in Figures 12c and 12d.	See product manual	P
9.1.8	The packaging of those particle filtering half masks passing the dolomite clogging test shall be additionally marked with the letter "D".		N
9.2	Particle filtering half mask		P
	Particle filtering half masks complying with this European Standard shall be clearly and durably marked with the following:		P
9.2.1	The name, trademark or other means of identification of the manufacturer or supplier.	Zhongshan Qianguo Protective Equipment Technology Co., Ltd	P
9.2.2	Type-identifying marking.		P
9.2.3	The number and year of publication of this European Standard.		P
9.2.4	The symbols FFP1, FFP2 or FFP3 according to class.	FFP2 NR	P
9.2.5	If appropriate the letter D (dolomite) in accordance with clogging performance. This letter shall follow the class designation (see 9.2.4).		N
9.2.6	Sub-assemblies and components with considerable bearing on safety shall be marked so that they can be identified.		N

Clause	Requirement – Test	Result - Remark	Verdict

Attachments: Test table

Table 7.9.2	Penetration of test aerosol test					P
Models / Item	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
Sodium chloride test 95 l/min	5.6	5.7	5.5	5.6	5.7	5.6
Paraffin oil test 95 l/min	5.4	5.6	5.7	5.7	5.6	5.5

Table 8.5	Leakage test				P
Models / Item	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
NaCl flow rate (L/min)	90	100	120	110	120
NaCl aerosol (um)	0.3	0.3	0.3	0.3	0.3
0.3Pumping flow rate (L/min)	30	30	30	30	30
NaCl concentration before mask (Mg/m3)	2	2	2	2	2
NaCl concentration after mask (Mg/m3)	0.05	0.06	0.07	0.08	0.06

Note: Test ark volume is 2m³
Average Leakage ratio is 8%<11%
Calculation formula as below :

$$P(\%)=\frac{C_2}{C_1}\times\left(\frac{t_{IN}+t_{EX}}{t_{IN}}\right)\times 100$$

Table 8.9.2	Exhalation resistance test				
Models / Item	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Inhalation gas velocity (L/min)	160	160	160	160	160
Maximum resistance (mbar)	2.45	2.47	2.45	2.46	2.46
Conclusion: Maximum permitted resistance < 3.0 mbar					

Table 8.9.3	Inhalation resistance test				P
Models / Item	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Inhalation gas velocity (L/min)	30	30	30	30	30
Maximum resistance (mbar)	0.42	0.44	0.44	0.45	0.43
Conclusion: Maximum Inhalation resistance < 0.7 mbar					

Clause	Requirement – Test	Result - Remark	Verdict

Table 8.9.3.2	Inhalation resistance test				P
Models / Item	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Inhalation (L/min)	95	95	95	95	95
Maximum resistance (mbar)	2.12	2.14	2.16	2.15	2.14
Conclusion: Maximum Inhalation resistance < 2.4mbar					

Photo Documentation

Photo 1 Overview

- End of Test Report -

No. FZ2006868

检 测 报 告
TEST REPORT

委托方 Commissioned by	中山市千果防护用品科技有限公司 Zhongshan Qianguo protective equipment Technology Co,Ltd
生产单位 Factory	中山市千果防护用品科技有限公司 Zhongshan Qianguo protective equipment Technology Co,Ltd
样品名称 Name of Sample	民用口罩 KN95　KN95 Protective Mask
型号规格 Type, Specification	————
检测类别 Testing Purpose	委托检测 Commission

广东产品质量监督检验研究院
GUANGDONG TESTING INSTITUTE OF PRODUCT QUALITY SUPERVISION

No. FZ2006868

广 东 产 品 质 量 监 督 检 验 研 究 院
GUANGDONG TESTING INSTITUTE OF PRODUCT QUALITY SUPERVISION

检测报告
TEST REPORT

报告编机号 Security Code: PKE4631　　第 1 页 共 4 页

样品名称 Name of Sample	民用口罩 KN95 KN95 Protective Mask	样品编号 Sample number	YF220/008868
	送样（√） Sending / 抽样（/） sampling	型号规格 Type, Specification	----
商标 Trade mark	----		
委托方 Commissioned by	中山市千果防护用品科技有限公司 Zhongshan Qianguo protective equipment Technology Co,Ltd	检测类别 Testing Purpose	委托检测 Commission
委托方地址 Address of client	中山市东风镇伯公社区恒日巷 10 号一层和二层 Floor 1 and 2, No 10,hengri lane,Bogong community,Dongfeng Town, Zhongshan City,Guangdong,Chin	产品编号/批号 Product No. /batch No	----
生产单位 Factory	中山市千果防护用品科技有限公司 Zhongshan Qianguo protective equipment Technology Co,Ltd	抽样单编号 Sampling list No	----
受检单位 Inspected unit	----	生产日期 Date of manufacture	----
抽样单位 Sampling unit	----	样品数量 Quantity of sample	40(个) 40 (Piece)
抽样地点 Location of sampling	----	抽样基数 Basic quantity of sampling	----
抽样日期 Date of sampling	----	检验地点 Location of testing	本部实验室 Laboratory
收样日期 Date of receiving	2020 年 03 月 03 日	检验日期 Date of testing	2020 年 03 月 03 日~ 2020 年 03 月 07 日
检测依据 Testing reference	GB 2626-2006《呼吸防护用品 自吸过滤式防颗粒物呼吸器》 GB 2626-2006 Respiratory protective equipment. Non-powered air-purifying particle respirator		
判定依据 Judging reference	----		
检测结论 Remarks	见检测结果。 Test results are attached as below.		
备注 Notes	报告中的 "——" 表示此项不适用，报告中 "/" 表示此项 "/" in the report indicates that this item is not applicable, and "/" in the report indicates that this item is blank.		

（检验检测专用章）
签发日期：以骑缝章为准 Issue date: Subject to the seam seal

批准：　　审核：　　主检：

No. FZ2006868

检 测 报 告
TEST REPORT

第 2 页 共 4 页

序号 No.	检测项目(单位) Test items[Unit]	标准条款 Standard terms	Standard requirements	检测结果 Result		单项结论 Conclusion	备注 Notes
1	过滤效率[%] Filtering efficiency [%]	5.3	KN95 ≥ 95.0	未预处理 Unpretreated	99.81	合格 Pass	/
					99.72		
					99.70		
					99.77		
					99.82		
					99.86		
					99.72		
					99.75		
					99.81		
					99.70		
				预处理 Pretreated	99.62		
					99.79		
					99.51		
					99.58		
					99.42		
			氯化钠颗粒物检测 Detection of sody particles 温度 Temperature: （25±5）℃ 湿度 Humidity: （30±10）%	实测温度 Measured temperature: （23~25）℃ 实测湿度 Measured Humidity: （36~38）%			
2	吸气阻力[Pa] Inhale resistance[Pa]	5.5	总吸气阻力≤350 Total inhale resistance≤350	未预处理 Unpretreated	70.0	合格 Pass	/
					66.6		
				预处理 Pretreated	71.4		
					72.9		
3	呼气阻力[Pa] Exhalation resistance[Pa]	5.5	总呼气阻力≤250 Total exhalation resistance≤250	未预处理 Unpretreated	87.0	合格 Pass	/
					85.3		
				预处理 Pretreated	85.8		
					89.2		

No. FZ2006868

检 测 报 告
TEST REPORT

第 3 页 共 4 页

照片和说明 Photos and instructions
样品描述 Sample description
/
型号规格或其它说明 Type, Specification or other description
/

No. FZ2006868

检 测 报 告
TEST REPORT

第 4 页 共 4 页

附注 APPENDIX:

1、试验地点 Place of test：广州市黄埔区科学城科学大道 10 号

2、委托单位地址及邮编 Add.&Postcode：中山市东风镇伯公社区恒日巷 10 号一层和二层 Floor 1 and 2, No 10,hengri lane,Bogong community,Dongfeng Town, Zhongshan City,Guangdong,Chin

3、检测环境条件 Testing ambient conditions：检测项目均在相应标准规定的条件下进行（有注明的除外）The test items shall be carried out under the conditions specified in the corresponding standards (Unless otherwise noted)

4、抽样程序（如适用）Sampling procedure (if applicable)：————

5、偏离标准方法的说明（如适用）Statement of deviating standard method (if applicable)：————

6、检测结果不确定度说明（如适用）Uncertainty statement of test results (if applicable)：————

7、分包项目及分包方（如适用）Subcontracted items and subcontractors (if applicable)：————

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