



— 防护专家 —



FFP3产品介绍

God Bless Well (神保佑)

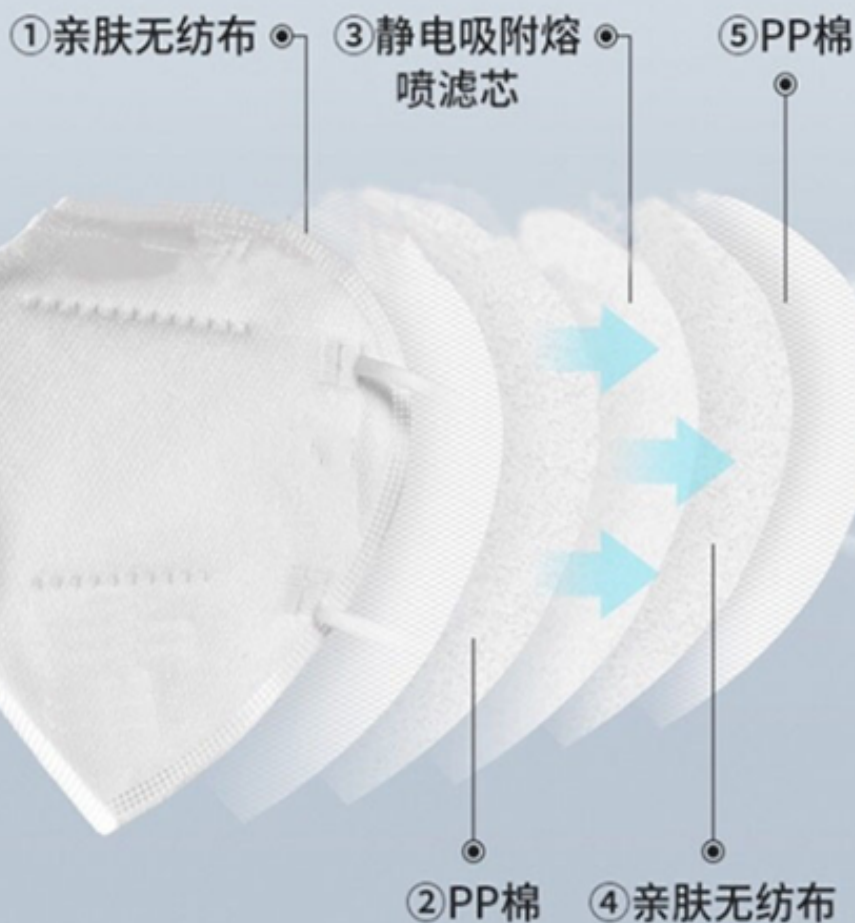
99%的细菌过滤率 / 99%的氯化钠过滤率 / 99%的油性过滤率

广东腾盛药业科技有限公司

功能介绍

5层过滤 多重防护

专业防护，熔喷布是关键
有效阻挡雾霾，户外出行，安全放心

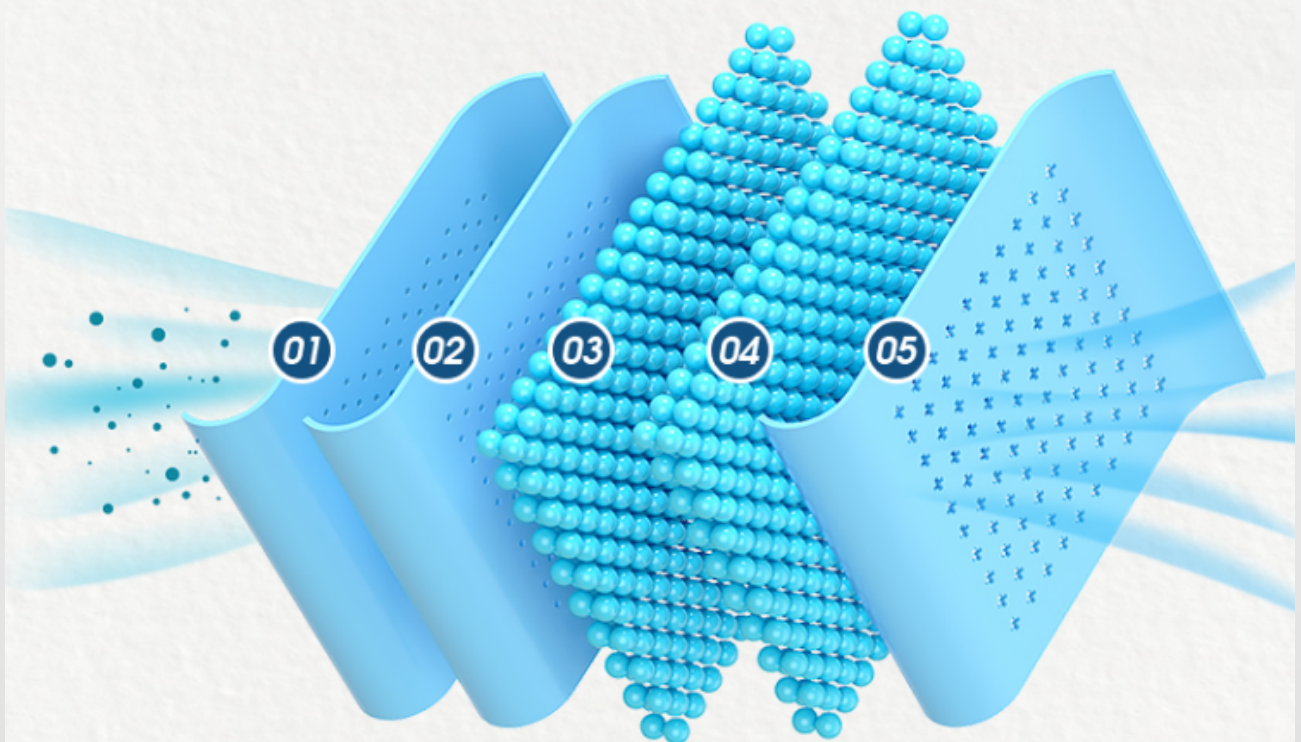


功能介绍

5重过滤 安心净化

多层过滤更高效，过滤效率达到99%

MELT-BLOWN FABRIC



01.

加软无纺布

阻隔灰尘异味
和有害颗粒

02.

热风棉

加强过滤
细微颗粒

03.

熔喷布过滤层

有效过滤 ≤ 0.5 微米
颗粒物

04.

熔喷布过滤层

有效过滤 $\geq 95\%$

05.

亲肤无纺布

防潮透气过滤
遗漏灰尘

功能介绍

熔喷布 关键滤材

FFP3 过滤效率达到99%，有效保护呼吸健康

EFFECTIVELY PROTECT RESPIRATORY HEALTH



呼吸阻力

< 80 pa

FFP3 滤效

99%

功能介绍

人体工程学设计

3D立体剪裁，根据人体脸部曲线设计，贴合性强

—
THREE-DIMENSIONAL JOINT

360°
面部贴合

5层
防护保护



耳挂式FFP3折叠型产品图片



产品包装



单个独立包装

单个口罩使用OPP袋，没有二次污染，干净卫生

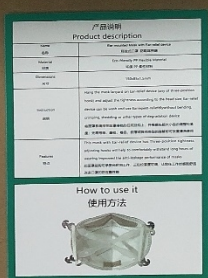
A SINGLE INDEPENDENT PACKING



便携
卫生



耳挂式FFPE产品500个包装



耳挂式FFPE产品500个包装



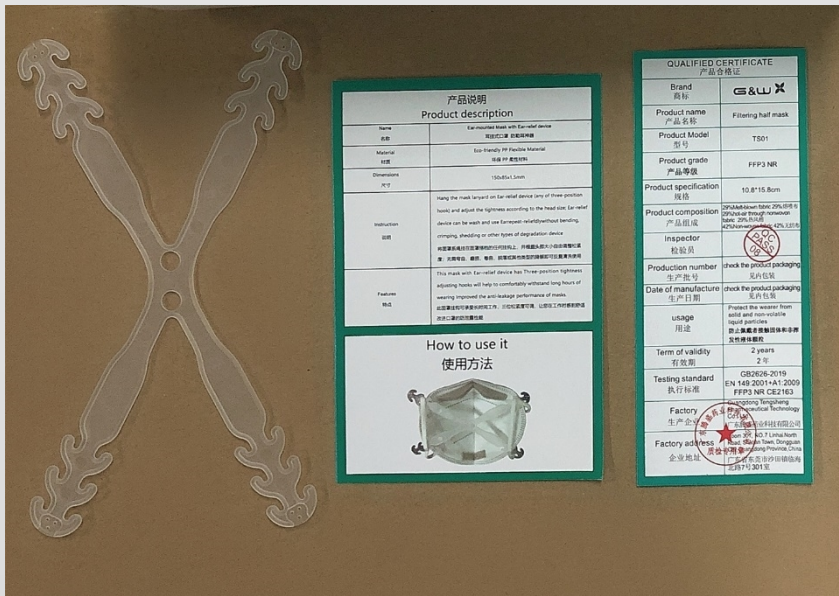
包装方式1: 包装规格: 1个单包, 10个一盒, 500个一箱。
外箱尺寸: 73.5X42.5X32.5CM
毛重: 7.44KG 净重: 6.14KG

耳挂式FFPE产品800个包装



内包膜单个包

彩盒10个装



调节扣，合格证，说明书

耳挂式FFPE产品800个包装



包装方式1: 包装规格: 1个单包, 800个/箱 (配彩盒, 合格证, 说明书, 调节扣80套)。

外箱尺寸: 73.5X42.5X32.5CM

毛重: 11.12KG 净重: 9.82KG

耳挂式CE检测报告



中国认可
国际互认
检测
TESTING
CNAS L11197

TEST REPORT

Report Number.....: TSGK-2020-0656-T-XG2
Applicant's name.....: UNIVERSAL CERTIFICATION and SURVEILLANCE SERVICES Trade Co.
Address.....: Necip Fazıl Bulvarı Keyap Sitesi E2 Blok No:44/84 Yukarı Dudullu Ümraniye/İSTANBUL – TURKEY
Manufacturer name.....: Guangdong Tengsheng pharmaceutical Technology Co., Ltd.
Address.....: Room 301, No. 7, Linhai North Road, Shatian Town, Dongguan City, Guangdong Province, China
Trade mark.....: /
Product name.....: Filtering half mask
Model.....: TS01
Sample grade.....: FFP3
Sample number.....: 90
Sample description.....: /
Receiving date of sample.....: Jun. 8, 2020
Date(s) of tests.....: Jun. 8, 2020 – Jun. 30, 2020
Test conclusion.....: The sample upon testing, the test clauses meet the requirements of the EN 149:2001 + A1:2009 standard. The details of test results refer to the following.

Approver:



2020.07.3

Reviewer:

陈健伟

2020.07.3

Tester:

罗晓清

2020.07.3

耳挂式CE检测报告

TSGK-2020-0656-T-XG2

Serial	Test item	Technical requirements	Result - Remark	Verdict																																																																					
1	Visual inspection	The visual inspection shall include the marking and information supplied by the manufacturer.	Meet requirement	P																																																																					
2	Packaging	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.	Meet requirement	P																																																																					
3	Material	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.	Meet requirement	P																																																																					
4	Cleaning and disinfecting	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.	Not Applicable	N/A																																																																					
5	Practical performance	Head harness should be comfortable	Meet requirement	P																																																																					
		Fastenings are safe and reliable	Meet requirement																																																																						
		Field of vision is acceptable	Meet requirement																																																																						
6	Finish of parts	Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	Meet requirement	P																																																																					
7	Total inward leakage	<p>At least 46 out of the 50 individual exercise results shall be not greater than:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 25 % for FFP1; <input type="checkbox"/> 11 % for FFP2; <input checked="" type="checkbox"/> 5 % for FFP3; <p>And in addition, a least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than</p> <ul style="list-style-type: none"> <input type="checkbox"/> 22 % for FFP1; <input type="checkbox"/> 8 % for FFP2; <input checked="" type="checkbox"/> 2 % for FFP3. 	<table border="1"> <thead> <tr> <th>Exercises</th> <th>E1 (%)</th> <th>E2 (%)</th> <th>E3 (%)</th> <th>E4 (%)</th> <th>E5 (%)</th> <th>TIL (%)</th> </tr> </thead> <tbody> <tr> <td rowspan="5">A.R.</td> <td>0.2</td> <td>0.1</td> <td>0.1</td> <td>0.2</td> <td>0.2</td> <td>0.2</td> </tr> <tr> <td>0.2</td> <td>0.2</td> <td>0.2</td> <td>0.2</td> <td>0.2</td> <td>0.2</td> </tr> <tr> <td>0.2</td> <td>0.2</td> <td>0.2</td> <td>0.3</td> <td>0.2</td> <td>0.2</td> </tr> <tr> <td>0.2</td> <td>0.2</td> <td>0.2</td> <td>0.3</td> <td>0.2</td> <td>0.2</td> </tr> <tr> <td>0.2</td> <td>0.3</td> <td>0.3</td> <td>0.5</td> <td>0.3</td> <td>0.3</td> </tr> <tr> <td rowspan="5">T.C.</td> <td>0.1</td> <td>0.2</td> <td>0.2</td> <td>0.3</td> <td>0.2</td> <td>0.2</td> </tr> <tr> <td>0.3</td> <td>0.3</td> <td>0.5</td> <td>0.8</td> <td>0.4</td> <td>0.5</td> </tr> <tr> <td>0.2</td> <td>0.3</td> <td>0.2</td> <td>0.3</td> <td>0.3</td> <td>0.3</td> </tr> <tr> <td>0.4</td> <td>0.5</td> <td>0.5</td> <td>0.6</td> <td>0.4</td> <td>0.5</td> </tr> <tr> <td>0.2</td> <td>0.1</td> <td>0.2</td> <td>0.2</td> <td>0.2</td> <td>0.2</td> </tr> </tbody> </table>	Exercises	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)	A.R.	0.2	0.1	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	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.5	0.3	0.3	T.C.	0.1	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.5	0.8	0.4	0.5	0.2	0.3	0.2	0.3	0.3	0.3	0.4	0.5	0.5	0.6	0.4	0.5	0.2	0.1	0.2	0.2	0.2	0.2	P
			Exercises	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)																																																																
			A.R.	0.2	0.1	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	0.3	0.2	0.2																																																																
				0.2	0.2	0.2	0.3	0.2	0.2																																																																
				0.2	0.3	0.3	0.5	0.3	0.3																																																																
			T.C.	0.1	0.2	0.2	0.3	0.2	0.2																																																																
				0.3	0.3	0.5	0.8	0.4	0.5																																																																
				0.2	0.3	0.2	0.3	0.3	0.3																																																																
0.4	0.5	0.5		0.6	0.4	0.5																																																																			
0.2	0.1	0.2		0.2	0.2	0.2																																																																			
Subject	Face Length (mm)	Face Width (mm)	Face Depth (mm)	Mouth Width (mm)	--																																																																				

耳挂式CE检测报告

TSGK-2020-0656-T-XG2

Serial	Test item	Technical requirements	Result - Remark				Verdict
		Luo	128	149	116	54	--
		Chen	124	135	110	49	--
		Liang	119	147	115	58	--
		Chen	115	139	119	55	--
		Yuan	107	125	110	52	--
		Lai	118	135	117	55	--
		Yang	115	127	124	53	--
		Jiang	119	126	116	59	--
		Feng	120	145	119	54	--
		Zeng	109	123	115	52	--
8	Penetration of filter material	Sodium chloride: <input type="checkbox"/> FFP1: ≤ 20 %; <input type="checkbox"/> FFP2: ≤ 6 %; <input checked="" type="checkbox"/> FFP3: ≤ 1 %. Paraffin oil: <input type="checkbox"/> FFP1: ≤ 20 %; <input type="checkbox"/> FFP2: ≤ 6 %; <input checked="" type="checkbox"/> FFP3: ≤ 1 %.	A.R.	0.1%	0.2%	0.1%	P
S.W.	0.2%	0.4%	0.1%				
M.S.+T.C.	0.3%	0.2%	0.5%				
A.R.	0.1%	0.2%	0.2%				
S.W.	0.3%	0.3%	0.2%				
M.S.+T.C.	0.5%	0.6%	0.3%				
9	Compatibility with skin	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.	A.R.	5 pieces all don't cause irritation.			P
T.C.	5 pieces all don't cause irritation.						
10	Flammability	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	A.R.	Burn for 0s			P
T.C.	Burn for 0s						
11	Carbon dioxide content of the inhalation air	The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume).	0.41 %		Mean value: 0.42 %	P	
		0.43 %					
		0.43%					
12	Head harness	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.	A.R.	Meet requirement			P
T.C.	Meet requirement						
13	Field of vision	The field of vision is	Meet requirement				P

耳挂式CE检测报告

TSGK-2020-0656-T-XG2

Serial	Test item	Technical requirements	Result - Remark					Verdict	
		acceptable if determined so in practical performance tests.							
14	Exhalation valve(s)	Exhalation valve(s) shall function correctly in all orientations	Not Applicable					N/A	
		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						
		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						
		When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10 N applied for 10 s	A.R.	Not Applicable					
			M.S.	Not Applicable					
			T.C.	Not Applicable					
15	Breathing resistance	Inhalation: 30 L/min <input type="checkbox"/> FFP1: ≤ 0.6 mbar; <input type="checkbox"/> FFP2: ≤ 0.7 mbar; <input checked="" type="checkbox"/> FFP3: ≤ 1.0 mbar;	Pos.	A	B	C	D	E	P
			A.R.	0.4	0.4	0.4	0.3	0.4	
				0.4	0.5	0.4	0.5	0.5	
				0.5	0.5	0.5	0.4	0.5	
			S.W.	0.4	0.4	0.4	0.4	0.4	
				0.4	0.5	0.5	0.4	0.5	
				0.5	0.5	0.4	0.5	0.4	
			T.C.	0.5	0.6	0.5	0.6	0.6	
				0.5	0.5	0.5	0.4	0.4	
				0.4	0.5	0.4	0.4	0.4	
		A.R.	1.8	1.9	1.8	1.8	1.8		
			1.9	1.9	1.8	1.8	1.8		
			1.9	2.0	1.8	1.8	1.9		
			S.W.	1.9	1.9	1.8	1.8	1.7	
				1.8	1.7	1.6	1.7	1.7	
				1.9	2.0	1.9	1.8	1.8	
		T.C.	1.9	1.9	1.8	1.8	1.9		
			2.0	2.1	1.9	2.0	1.9		
			1.9	1.9	1.8	1.8	1.8		
		A.R.	2.3	2.4	2.3	2.5	2.3		
2.4	2.3		2.3	2.2	2.4				
2.4	2.5		2.3	2.3	2.4				
		Exhalation: 160 L/min <input type="checkbox"/> FFP1: ≤ 3.0 mbar; <input type="checkbox"/> FFP2: ≤ 3.0 mbar;							

耳挂式CE检测报告

TSGK-2020-0656-T-XG2

Serial	Test item	Technical requirements	Result - Remark					Verdict	
		<input checked="" type="checkbox"/> FFP3: ≤ 3.0 mbar		2.3	2.4	2.2	2.3	2.3	
			S.W.	2.5	2.5	2.3	2.4	2.4	
				2.4	2.5	2.3	2.3	2.3	
			T.C.	2.6	2.5	2.5	2.3	2.4	
				2.3	2.3	2.4	2.4	2.3	
				2.5	2.5	2.3	2.4	2.3	
			A: facing directly ahead; B: facing vertically upwards; C: facing vertically downwards; D: lying on the left side; E: lying on the right side						
16	Demountable parts	All demountable parts (if fitted) shall be readily connected and secured, where possible by hand	Meet requirement						

Note:

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.

Throughout this report a point is used as the decimal separator.

The test items practical performance, total inward leakage; penetration of filter material, compatibility with skin and field of vision are not within CNAS recognized scope.

This report is the substitute of the report No.TSGK-2020-0656-T-XG1, which is invalidated as this one issued.

Possible test case verdicts:

Test case does not apply to the test object: N/A (Not applicable)

Test object does meet the requirement: P (Pass)

Test object does not meet the requirement: F (Fail)

耳挂式CE检测报告

TSGK-2020-0656-T-XG2

ANNEX: Photo-documentation



----- End of test report -----

耳挂式CE证书B证



UNIVERSAL



EU TYPE EXAMINATION CERTIFICATE

Certificate No: 2163-PPE-1118

Respiratory protective devices, filtering half masks to protect against particles manufactured by

Guangdong Tengsheng pharmaceutical Technology Co., Ltd.
Room 301, No. 7, Linhai North Road, Shatian Town, Dongguan City, Guangdong Province,
China

are tested and evaluated according to

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

Based on the type examination conducted with the evaluation of test reports, technical file according to Personal Protective Equipment Regulation (EU) 2016/425 Annex 5, it is approved that the product meets the requirements of the regulation.

Product Definition

Model: TS01

Filtering half mask

Classification: FFP3 NR

Here by the manufacturer is allowed to use notified body number (2163) and can fix CE mark, as shown below, on the Category III product models given above, with;

- Issuing an appropriate EU Declaration of Conformity according to **Personal Protective Equipment Regulation (EU) 2016/425 Annex 9**.
- Ongoing successful performance in fulfilment of the requirements set out in **Personal Protective Equipment Regulation (EU) 2016/425** and harmonised standards, ensured by assessments based on **Annex 7 (Module C2) or Annex 8 (Module D)** of the regulation no later than 1 year from the beginning of serial production

This certificate is initially issued on **21/07/2020** and will be valid for 5 years, if there is no change in the relevant harmonised standard affecting the essential health and safety requirements.



Suat KACMAZ
UNIVERSAL CERTIFICATION
Director

Verify the validity with the QR code



耳挂式CE证书C2证

UNIVERSAL

Verify the validity with the QR code



CERTIFICATE OF CONFORMANCE

Certificate No: 2163-PPE-1118/01

Respiratory protective devices, filtering half masks to protect against particles manufactured by

Guangdong Tengsheng Pharmaceutical Technology Co., Ltd

Room 301, No.7, Linhai North Road, Shatian Town, Dongguan City, Guangdong Province, China

Continues to fulfil the requirements of

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

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

Product Definition

Model	Class	EU Type Examination Certificate		
		Serial No	Date	Issuing NB No
TS01	FFP3 NR	2163-PPE-1118	21.07.2020	2163

Here by the manufacturer is allowed to use notified body number (2163) and can fix CE mark, as shown below, on the Category III product models given above, with;

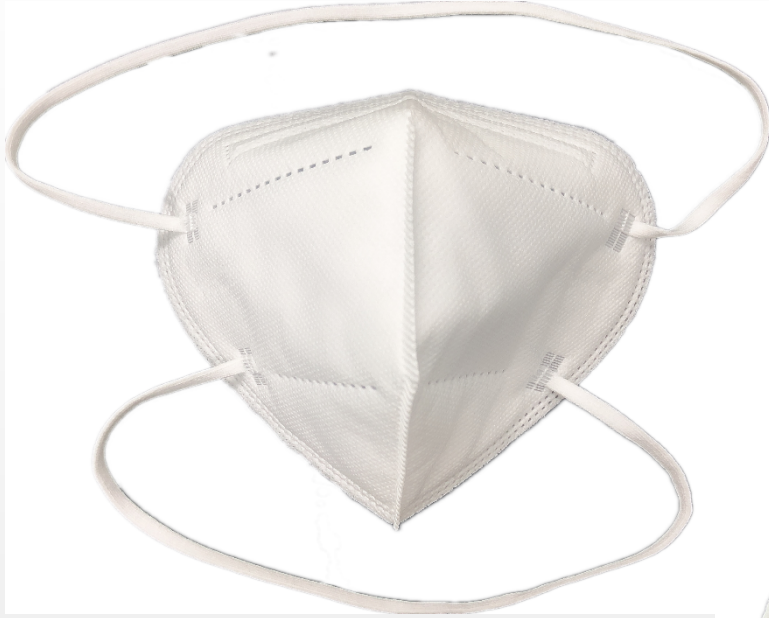
- Issuing an appropriate EU Declaration of Conformity according to **Personal Protective Equipment Regulation (EU) 2016/425 Annex 9**.
- Taking all measures necessary so that the manufacturing process and its monitoring ensure the homogeneity of production and conformity of the manufactured PPE with the type described in the EU type examination certificate.

This certificate is issued on **14/08/2020** and will be valid for one year, until **13/08/2021** if the manufacturer makes no major change in the product designs and manufacturing processes affecting the product performance on the essential health and safety requirement.



Suat KACMAZ
UNIVERSAL CERTIFICATION
Director

头戴式FFP3折叠型产品图片



产品包装



单个独立包装

单个口罩使用OPP袋，没有二次污染，干净卫生

A SINGLE INDEPENDENT PACKING



便携
卫生



头戴式FFP3产品500个包装



头戴式FFP3产品500个包装



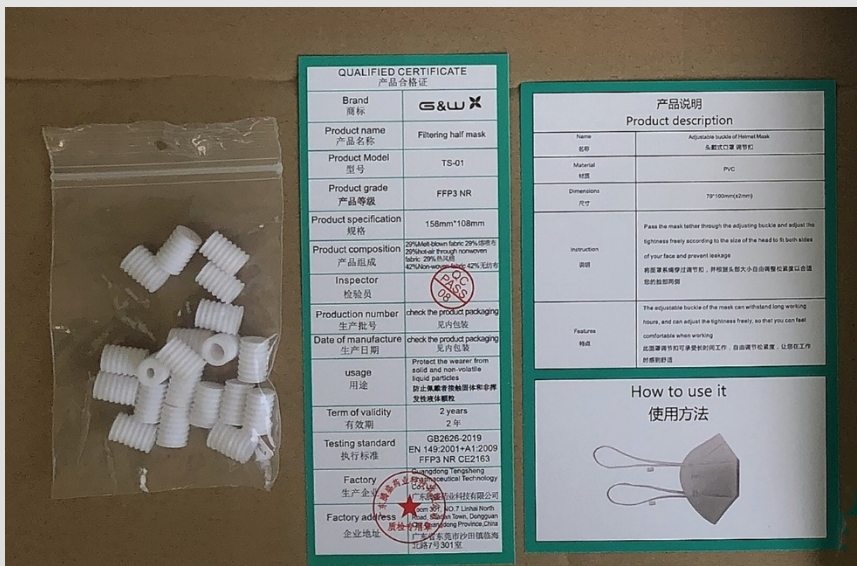
包装方式1: 包装规格: 1个单包, 10个一盒, 500个一箱。
外箱尺寸: 73.5X42.5X32.5CM
毛重: 7.84KG 净重: 6.5KG

头戴式FFP3产品800个包装



内包膜单个包

彩盒10个装



调节扣，合格证，说明书

头戴式FFP3产品800个包装



包装方式2：包装规格：1个单包，800个/箱（配彩盒，合格证，说明书，调节扣80套）

外箱尺寸：73.5X42.5X32.5CM

毛重：11.76KG **净重：**10.46KG

头戴式CE检测报告

Report NO: TSGK-2020-1560-T



中国认可
国际互认
检测
TESTING
CNAS L11197

TEST REPORT

This report cannot be partially copied without permission.



Sample name:	Filtering half mask
Sample model:	TS-01
Applicant:	Guangdong Tengsheng Pharmaceutical Technology Co., Ltd
Inspection type:	Entrusted testing

Name of Testing Laboratory: Guangdong Tantai Hi-tech Co., Ltd.



头戴式CE检测报告

Report NO: TSGK-2020-1560-T

Page 1 of 9

Test report

Applicant: Guangdong Tengsheng Pharmaceutical Technology Co., Ltd
Applicant Add.: Room 301, No.7 Linhai North Road, Shatian Town, Dongguan City, Guangdong Province, China
Manufacturer: Same as applicant
Manufacturer Add.: Same as applicant
Sample name: Filtering half mask
Sample model: TS-01
Trade mark: /
Sample classification: FFP3
Sample quantity: 120 pcs
Sample source: Provide by applicant
Receiving date of sample: 2020.08.26
Date(s) of tests: 2020.08.26-2020.09.12
According to the standard: EN 149:2001+A1:2009 <i>Respiratory protective devices—Filtering half masks to protect against particles—requirements, testing, marking</i>
Test results: See the continued page.

Chief Tester:  Date: 2020.09.12	 Guangdong Tsaint Hi-tech Co.,Ltd.
Reviewer:  Date: 2020.09.12	
Approver:  Date: 2020.09.12	

Note:
1. Possible abbreviations: Pass=Meet Requirement, Fail=Below Requirement, N/A= Not Applicable, N/T = Not tested, A.R.=As received, M.S.=Mechanical strength, T.C. = Temperature conditioned, S.W.=Simulated wearing treatment, F.C. = Flow conditioned, C.D.= Cleaning and Disinfecting.
2. Sample description: Single shift use only.

头戴式CE检测报告

Report NO: TSGK-2020-1560-T

Page 2 of 9

Test results and conclusions

Clause	Test Items	Technical requirements	Result	Conclusion
7.3	Visual inspection	The visual inspection shall also include the marking and the information supplied by the manufacturer.	As requested by the client, marking and information supplied by the manufacturer was not inspected.	N/T
7.4	Packaging	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.	Meet the requirements.	Pass
7.5	Material	See attached Table 1 for details.		Pass
7.6	Cleaning and disinfecting	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.	Single shift use only and this item is not applicable.	N/A
7.7	Practical performance	See attached Table 2 for details.		Pass
7.8	Finish of parts	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
7.9.1	Total inward leakage	See attached Table 3 for details.		Pass
7.9.2	Penetration of filter material	See attached Table 4 for details.		Pass
7.10	Compatibility with skin	See attached Table 5 for details.		Pass
7.11	Flammability	See attached Table 6 for details.		Pass
7.12	Carbon dioxide content of the inhalation air	See attached Table 7 for details.		Pass
7.13	Head harness	See attached Table 8 for details.		Pass
7.14	Field of vision	The field of vision is acceptable if determined so in practical performance tests.	Field of vision is acceptable, see the test results of practical performance.	Pass
7.15	Exhalation valve(s)	Not Applicable.		N/A
7.16	Breathing resistance	See attached Table 9 for details.		Pass
7.17	Clogging	For single shift use devices, the clogging test is an optional test. For re-usable devices the test is mandatory.	Single shift use only and this item is not tested.	N/T
7.18	Demountable parts	All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.	Meet the requirements	Pass

头戴式CE检测报告

Report NO: TSGK-2020-1560-T

Page 3 of 9

Table 1 Material

Technical requirements:		
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. After undergoing the conditioning described in 8.3.1 (simulated wearing treatment) none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps. When conditioned in accordance with 8.3.1 (simulated wearing treatment) and 8.3.2 (temperature conditioning) the particle filtering half mask shall not collapse. Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.		
Result:		
S.W.	01#	No mechanical failure or collapse after conditioning.
	02#	No mechanical failure or collapse after conditioning.
	03#	No mechanical failure or collapse after conditioning.
T.C.	17#	No mechanical failure or collapse after conditioning.
	18#	No mechanical failure or collapse after conditioning.
	19#	No mechanical failure or collapse after conditioning.
Verdict	Pass	

Table 2 Practical performance

Technical requirements:			
Where practical performance tests show the apparatus has imperfections related to wearer's acceptance, the test house shall provide full details of those parts of the practical performance tests which revealed these imperfections.			
Result:			
A.R.	34#	Head harness	Comfortable
		Fastenings	Safe and reliable
		Field of vision	Acceptable
		Others	/
	35#	Head harness	Comfortable
		Fastenings	Safe and reliable
		Field of vision	Acceptable
		Others	/
Verdict	Pass		

头戴式CE检测报告

Report NO: TSGK-2020-1560-T

Page 4 of 9

Table 3 Total inward leakage

Technical requirements:												
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 <input type="checkbox"/> 25 % for FFP1; <input type="checkbox"/> 11 % for FFP2; <input checked="" type="checkbox"/> 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 <input type="checkbox"/> 22 % for FFP1; <input type="checkbox"/> 8 % for FFP2; <input checked="" type="checkbox"/> 2 % for FFP3.												
Result:												
Exercises	E1 (%)	E2 (%)	E3 (%)	E4 (%)	E5 (%)	TIL (%)	Subject	Face Length (mm)	Face Width (mm)	Face Depth (mm)	Mouth Width (mm)	
A.R.	36#	1.2	1.1	1.0	1.8	1.5	1.3	Luo	128	149	116	54
	37#	1.3	1.4	1.2	1.5	0.9	1.3	Chen	124	135	110	49
	38#	1.5	1.6	1.2	1.7	1.8	1.6	Liang	119	147	115	58
	39#	1.2	1.3	1.2	1.8	1.5	1.4	Chen	115	139	119	55
	40#	1.1	0.8	0.9	1.3	1.3	1.1	Yuan	107	125	110	52
T.C.	20#	1.4	1.3	1.6	1.5	1.3	1.4	Lai	118	135	117	55
	21#	0.8	1.9	1.9	1.7	1.3	1.5	Yang	115	127	124	53
	22#	0.8	0.7	0.9	1.6	1.8	1.2	Jiang	119	126	116	59
	23#	1.2	1.2	1.6	1.2	1.1	1.3	Feng	120	145	119	54
	24#	1.8	0.9	1.6	1.7	1.2	1.4	Zeng	109	123	115	52
Verdict	Pass											

Table 4 Penetration of filter material

Technical requirements: <input type="checkbox"/> FFP1: ≤ 20 %; <input type="checkbox"/> FFP2: ≤ 6 %; <input checked="" type="checkbox"/> FFP3: ≤ 1 %										
Result (%)	Sodium chloride	A.R.			S.W.			M.S.+T.C.		
		41#	42#	43#	04#	05#	06#	11#	12#	13#
		0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1
	Paraffin oil	A.R.			S.W.			M.S.+T.C.		
44#		45#	46#	07#	08#	09#	14#	15#	16#	
0.1		0.4	0.4	0.2	0.3	0.3	0.4	0.2	0.3	
Verdict	Pass									

头戴式CE检测报告

Report NO: TSGK-2020-1560-T

Page 5 of 9

Table 5 Compatibility with skin

Technical requirements: 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.		
Result:		
A.R.	36#	No irritation or any other adverse effect to health.
	37#	No irritation or any other adverse effect to health.
	38#	No irritation or any other adverse effect to health.
	39#	No irritation or any other adverse effect to health.
	40#	No irritation or any other adverse effect to health.
T.C.	20#	No irritation or any other adverse effect to health.
	21#	No irritation or any other adverse effect to health.
	22#	No irritation or any other adverse effect to health.
	23#	No irritation or any other adverse effect to health.
	24#	No irritation or any other adverse effect to health.
Verdict	Pass	

Table 6 Flammability

Technical requirements: 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.		
Result:		
A.R.	47#	Burn for 0s
	48#	Burn for 0s
T.C.	25#	Burn for 0s
	26#	Burn for 0s
Verdict	Pass	

Table 7 Carbon dioxide content of the inhalation air

Technical requirements: The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume).			
Result(%):			
A.R.49#	A.R.50#	A.R.51#	Average value:
0.28	0.25	0.27	0.27
Verdict	Pass		

头戴式CE检测报告

Report NO: TSGK-2020-1560-T

Page 6 of 9

Table 8 Head harness

Technical requirements:		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 and be capable of maintaining total inward leakage requirements for the device.
Result:		
A.R.	36#	Meet the requirements
	37#	Meet the requirements
	38#	Meet the requirements
	39#	Meet the requirements
	40#	Meet the requirements
T.C.	20#	Meet the requirements
	21#	Meet the requirements
	22#	Meet the requirements
	23#	Meet the requirements
	24#	Meet the requirements
Verdict	Pass	

Table 9 Breathing resistance

Technical requirements:																	
Classification		Maximum permitted resistance (mbar)															
		Inhalation										Exhalation					
		30 L/min					95 L/min					160 L/min					
<input type="checkbox"/>	FFP1	0.6					2.1					3.0					
<input type="checkbox"/>	FFP2	0.7					2.4					3.0					
<input checked="" type="checkbox"/>	FFP3	1.0					3.0					3.0					
Result(mbar):																	
A.R.	Flow rate		53#					54#					55#				
			A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
	Inhalation	30 L/min	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3
		95 L/min	1.6	1.6	1.5	1.5	1.5	1.6	1.6	1.5	1.6	1.6	1.6	1.5	1.6	1.6	1.5
	Exhalation	160 L/min	1.9	1.9	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.8	2.1	2.0	2.0	2.1	2.0
	S.W.	Flow rate		01#					02#					03#			
A				B	C	D	E	A	B	C	D	E	A	B	C	D	E
Inhalation		30 L/min	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.5	0.4	0.4	0.5	0.4
		95 L/min	1.8	1.8	1.6	1.7	1.8	1.7	1.7	1.6	1.6	1.6	1.7	1.6	1.7	1.6	1.6
Exhalation		160 L/min	2.0	2.0	1.9	1.9	2.0	1.9	1.9	1.8	1.8	1.8	2.0	2.0	1.9	1.8	1.8

头戴式CE检测报告

Report NO: TSGK-2020-1560-T

Page 7 of 9

T.C.	Flow rate	30#					31#					32#				
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
Inhalation	30 L/min	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1
	95 L/min	1.1	1.1	1.1	1.0	1.0	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.3	1.3	1.3
Exhalation	160 L/min	1.4	1.4	1.4	1.4	1.3	1.4	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.4	1.4
Verdict		Pass														

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头戴式CE检测报告

Report NO: TSGK-2020-1560-T

Page 8 of 9



-----End of test report-----

头戴式CE证书B证



UNIVERSAL

Verify the validity with the QR code



NB 2163

EU TYPE EXAMINATION CERTIFICATE

Certificate No: 2163-PPE-1586

Respiratory protective devices, filtering half masks to protect against particles manufactured by

Guangdong Tengsheng Pharmaceutical Technology Co., Ltd.
Room 301, No.7 Linhai North Road, Shatian Town, Dongguan City, Guangdong Province,
China

are tested and evaluated according to

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

Based on the type examination conducted with the evaluation of test reports, technical file according to Personal Protective Equipment Regulation (EU) 2016/425 Annex 5, it is approved that the product meets the requirements of the regulation.

Product Definition

Model: TS-01
Filtering half mask
Classification: FFP3 NR

Here by the manufacturer is allowed to use notified body number (2163) and can fix CE mark, as shown below, on the Category III product models given above, with;

- Issuing an appropriate EU Declaration of Conformity according to **Personal Protective Equipment Regulation (EU) 2016/425 Annex 9.**
- Ongoing successful performance in fulfilment of the requirements set out in **Personal Protective Equipment Regulation (EU) 2016/425** and harmonised standards, ensured by assessments based on **Annex 7 (Module C2) or Annex 8 (Module D)** of the regulation no later than 1 year from the beginning of serial production

This certificate is initially issued on **19/10/2020** and will be valid for 5 years, if there is no change in the relevant harmonised standard affecting the essential health and safety requirements.



Suat KACMAZ
UNIVERSAL CERTIFICATION
Director

ISO9001证书





谢谢观看 THANKS

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