



编号 320407666202004090680

统一社会信用代码

91320411673020110X (1/1)

营业执照

(副本)



扫描二维码登录“国家企业信用信息公示系统”了解更多登记、备案、许可、监管信息。

名称 常州唐朝精密机械进出口有限公司

注册资本 100万元整

类型 有限责任公司

成立日期 2008年03月12日

法定代表人 焦春香

营业期限 2008年03月12日至*****

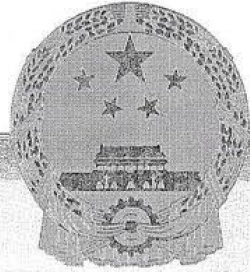
经营范围 普通机械及零部件、电器机械及配件、塑料原料及制品、化工原料及产品（除危险品）、五金、交电、金属材料、汽车配件、摩托车配件、自行车、电动车的销售；自营和代理各类商品和技术的进出口业务，但国家限定公司经营或禁止进出口的商品和技术除外；日用口罩（非医用）销售；日用口罩（非医用）生产；第一类医疗器械生产；第一类医疗器械销售；医用口罩批发；医用口罩生产；医用口罩零售；劳动防护用品生产；劳动防护用品销售；第二类医疗器械生产；第二类医疗器械销售。（依法须经批准的项目，经相关部门批准后方可开展经营活动）

住所 常州市新北区龙虎塘街道信息大道6号-2幢

登记机关



2020年04月09日



编号 320407666202004090480

统一社会信用代码

91320411673020110X

营业执照



扫描二维码登录“国家企业信用信息公示系统”了解更多登记、备案、许可、监管信息。

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经营范围 普通机械及零部件、电器机械及配件、塑料原料及制品、化工原料及产品（除危险品）、五金、交电、金属材料、汽车配件、摩托车配件、自行车、电动车的销售；自营和代理各类商品和技术的进出口业务，但国家限定公司经营或禁止进出口的商品和技术除外。日用口罩（非医用）销售；日用口罩（非医用）生产；第二类医疗器械生产；第一类医疗器械销售；医用口罩批发；医用口罩生产；医用口罩零售；劳动保护用品生产；劳动保护用品销售；第二类医疗器械生产；第二类医疗器械销售；（依法须经批准的项目，经相关部门批准后方可开展经营活动）

住所 常州市新北区龙虎塘街道信息大道6号-2幢



登记机关

2020年04月09日

对外贸易经营者备案登记表

备案登记表编号: 04164790

统一社会信用代码: 91320411673020110X
进出口企业代码:

经营者中文名称	常州唐朝精密机械进出口有限公司		
经营者英文名称	Changzhou Tang Dynasty Precision Machinery Industrial Co.,Ltd		
组织机构代码	-----	经营者类型 (由备案登记机关填写)	有限责任公司
住 所	常州市新北区龙虎塘街道信息大道6号-2幢		
经营场所 (中文)	常州市新北区龙虎塘街道信息大道6号-2幢		
经营场所 (英文)	Building 6-2, information avenue, longhutang street, xinbei district, changzhou city, jiangsu province, China		
联系电话	0519-86603868	联系传真	0519-86603528
邮政编码	213022	电子邮箱	zslbearing@vip.163.com
工商登记注册日期	2008-3-12	工商登记注册号	-----

依法办理工商登记的企业还须填写以下内容

企业法定代表人姓名	焦春香	有效证件号	321121198202093241
注册资金	壹佰万元		(折美元)

依法办理工商登记的外国(地区)企业或个体工商户(独资经营者)还须填写以下内容

企业法定代表人/ 个体工商户负责人姓名		有效证件号	
企业资产/个人财产			(折美元)

备注	
----	--

填表前请认真阅读背面的条款,并由企业法定代表人或个体工商户负责人签字、盖章。



2020 年 4 月 15 日

Certificate of Compliance



No. 4Q200407F.CTD0S34

Certificate's Holder:

Changzhou Tang Dynasty Precision Machinery Industrial Co., Ltd.
Building 2#, No.6 Information Avenue, Xinbei District, Changzhou City, Jiangsu Province, China

Certification ECM Mark:



Product:

KN95 Face Mask

Model(s):

KN95

Verification to:

Standard:

EN149:2001 +A1:2009

related to CE Directive(s):

R 2016/425 (Personal Protective Equipment)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:



The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.entecerma.it

Issuance date: 07 April 2020

Expiry date: 06 April 2025

Reviewer
Technical expert
Amanda Payne

Approver
ECM Service Director
Luca Bedonni

Ente Certificazione Macchine Srl

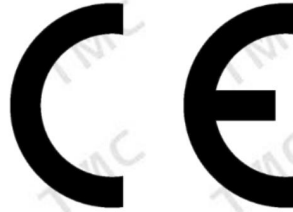
Via Ca' Bella, 243 - Loc. Castello di Serravalle - 40053 Valsamoggia (BO) - ITALY

+39 051 6705141 +39 051 6705156 info@entecerma.it www.entecerma.it



TMC Testing Services(Shenzhen) Co., Ltd

Report No.: TMC200329115-S



Test Report

On Behalf of

Changzhou Tang Dynasty Precision Machinery Industrial Co., Ltd.

KN95 Face Mask

Model : KN95 Face Mask

Prepared for : **Changzhou Tang Dynasty Precision Machinery Industrial Co., Ltd.**

Building 2#, No.6 Information Avenue, Xinbei District, Changzhou City,
Jiangsu Province, China

Prepared By :

TMC Testing Services (Shenzhen) Co., Ltd.

1st Floor, Block A1, Zone A, Xinshidai Gongrong Industrial
Park, No. 2, Shihuan Road, Shiyuan 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.	TMC200329115-S
Checked by (printed name and signature) ... :	Bart Deng
Approved by (printed name and signature) ... :	Lemon Rao
Date of issue.....	March 31, 2020
Testing laboratory	TMC Testing Services(Shenzhen) Co., Ltd.
Address.....	1st Floor, Block A1, Zone A, Xinshidai Gongrong Industrial Park, No. 2, Shihuan Road, Shiyuan Street, Baoan District, Shenzhen, China
Applicant's name	Changzhou Tang Dynasty Precision Machinery Industrial Co., Ltd.
Address.....	Building 2#, No.6 Information Avenue, Xinbei District, Changzhou City, Jiangsu Province, China
Manufacturer's name	Changzhou Tang Dynasty Precision Machinery Industrial Co., Ltd.
Address.....	Building 2#, No.6 Information Avenue, Xinbei District, Changzhou City, Jiangsu Province, China
Factory's name	Same as applicant
Address.....	
Test specification:	
Standard.....	<input checked="" type="checkbox"/> EN 149:2001+A1:2009
Test procedure.....	CE
Non-standard test method.....	N/A
Test Report Form No.	TMC200329115-S
TRF Originator.....	TMC
Master TRF.....	Dated 2019-01
Test item description	KN95 Face Mask
Trade Mark.....	/
Model/Type reference.....	KN95 Face Mask
Ratings.....	/



常州唐韵精工机械有限公司

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 25, 2020

Date(s) of performance of tests March 25, 2020 to March 31, 2020

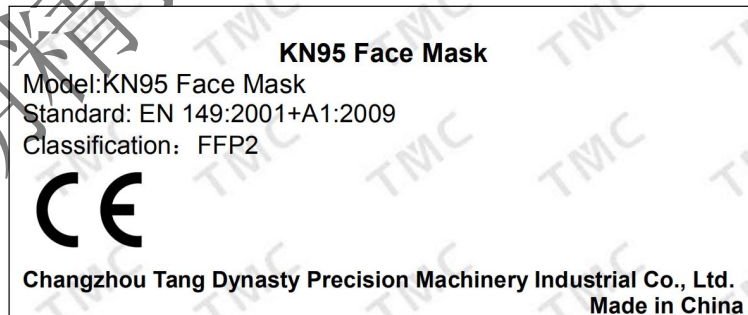
General remarks:

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:



EN 149			
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 exeperature 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

EN 149			
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		P
	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.		P
	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 shin		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 vsion 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
	Ereathing resistances apply to valved and valveless and shall meet the requirements.		P
7.17	Clogging		N
	General		N

EN 149			
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/m ³ .		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
	Exposet masks to the following thermal cycle:		P
	a) for 24 h to a dry atmosphere of (70 ± 3) °C;		P
	b) for 24 h to a temperature of (-30 ± 3) °C;		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

EN 149			
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.	Changzhou Tang Dynasty Precision Machinery Industrial 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

EN 149			
Clause	Requirement – Test	Result - Remark	Verdict

Attachments: Test table

Table 7.9.2		Penetration of test aerosol test					P
	Models	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
Item							
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	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Item						
NaCl flow rate (L/min)		90	100	120	110	120
NaCl aerosol (um)		0.3	0.3	0.8	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
<p>Note: Test ark volume is 2m³ Average Leakage ratio is 8%<11% Calculation formula as below :</p> $P(\%) = \frac{C_2}{C_1} \times \left(\frac{t_{IN} + t_{EX}}{t_{IN}} \right) \times 100$						

Table 8.9.2		Exhalation resistance test				P
	Models	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Item						
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	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Item						
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						



Access to global market

TMC Testing Services(Shenzhen) Co., Ltd

Report No.: TMC200329115-S

EN 149

Clause	Requirement – Test	Result - Remark	Verdict
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Table 8.9.3.2		Inhalation resistance test				P
Item	Models	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
	Inhalation (L/min)		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

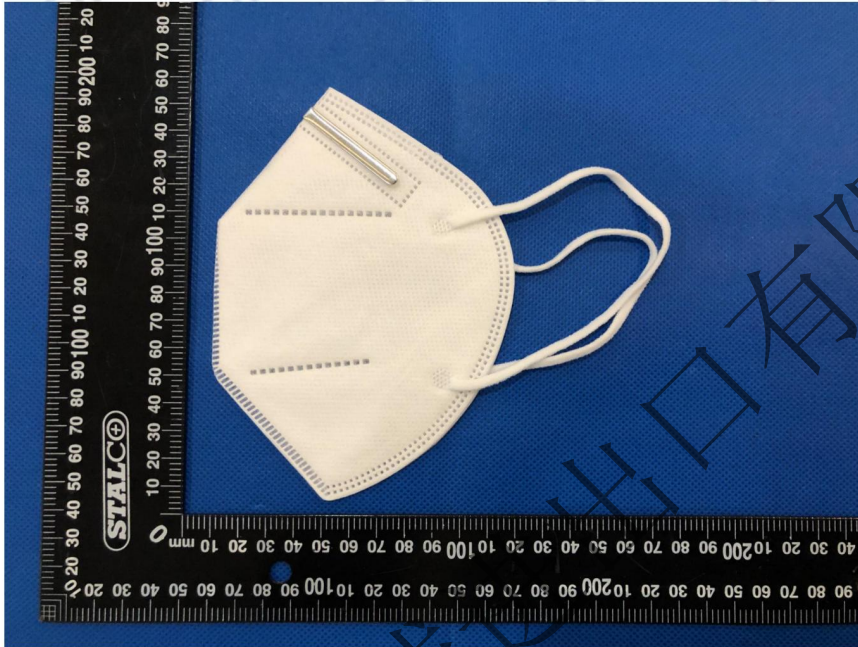


Photo 2 Overview



- End of Test Report -

Certificate of Compliance

Certificate No.: TMC200413104-C

Applicant/ Address: **Changzhou Tang Dynasty Precision Machinery Industrial Co., Ltd.**
Building 2#, No.6 Information Avenue, Xinbei District, Changzhou City, Jiangsu Province, China

Manufacturer/ Address: **Changzhou Tang Dynasty Precision Machinery Industrial Co., Ltd.**
Building 2#, No.6 Information Avenue, Xinbei District, Changzhou City, Jiangsu Province, China

Product Name: **KN95 Face Mask**

Trade Name: N/A

Model/Item Number : KN95 Face Mask

Date and Number of Test Report: April 13, 2020
TMC200413104-C

EC-Directive: RoHS 2.0 Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU
IEC 62321-1:2013
IEC 62321-3-1:2013
IEC 62321-4:2017
IEC 62321-5:2013
IEC 62321-6:2015
IEC 62321-7-1:2015
IEC 62321-7-2:2017
IEC 62321-8:2017

Test Standard:

Conclusion
This Certification of RoHS 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 RoHS 2.0 Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU. It is possible to use RoHS marking to demonstrate the compliance with this directive.

Place and date of issue: Shenzhen, April 13, 2020

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



Applicant **Changzhou Tang Dynasty Precision Machinery Industrial Co., Ltd.**
Address Building 2#, No.6 Information Avenue, Xinbei District, Changzhou City, Jiangsu Province, China

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

Sample Name: **KN95 Face Mask**
Trade Name: N/A
Model Name: KN95 Face Mask
Sample Received Date: April 13, 2020
Testing Period: April 13, 2020

Test Requested: Selected test (s) in the selected parts as requested by client with the RoHS 2.0 Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU on the restriction of hazardous substances.

Test Method Please refer to next page(s).

Test Result Please refer to next page(s).

Test conclusion: Based upon the performed tests by submitted samples, the test results comply with the limits of the RoHS 2.0 Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of



Lemon Rao
Lemon.Rao
Technical Director

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Sample No.	Components	Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
01	Put gauze	Cadmium(Cd)	mg/kg	IEC 62321:2017, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	4.09	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC 62321:2017, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC 62321-8:2017, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	IEC 62321-8:2017, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	IEC 62321-8:2017, GC-MS	N.D.	30	1000
		Diisobutyl phthalate(DIBP)	mg/kg	IEC 62321-8:2017, GC-MS	N.D.	30	1000
02	Filter flannelette	Cadmium(Cd)	mg/kg	IEC 62321:2017, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	2.12	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC 62321:2017, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC 62321-8:2017, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	IEC 62321-8:2017, GC-MS	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	IEC 62321-8:2017, GC-MS	N.D.	30	1000		
Diisobutyl phthalate(DIBP)	mg/kg	IEC 62321-8:2017, GC-MS	N.D.	30	1000		

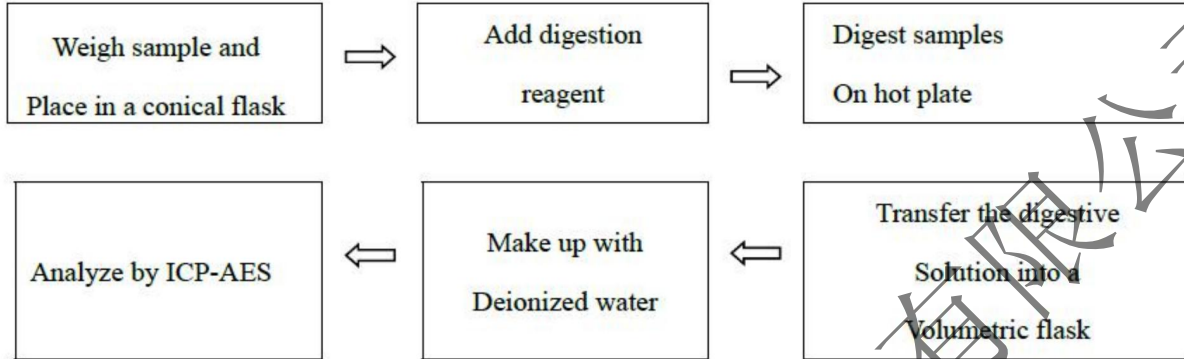
Sample No.	Components	Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
03	String	Cadmium(Cd)	mg/kg	IEC 62321:2017, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC 62321:2017, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC 62321-8:2017, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	IEC 62321-8:2017, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	IEC 62321-8:2017, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	IEC 62321-8:2017, GC-MS	N.D.	30	1000
04	Stainless steel	Cadmium(Cd)	mg/kg	IEC 62321:2017, ICP-AES	17.9	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	6.16	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC 62321:2017, UV-Vis	2.43	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	--	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	--	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC 62321-8:2017, GC-MS	--	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	IEC 62321-8:2017, GC-MS	--	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	IEC 62321-8:2017, GC-MS	--	30	1000		
Diisobutyl phthalate (DIBP)	mg/kg	IEC 62321-8:2017, GC-MS	--	30	1000		

- Note:**
1. mg/kg= ppm
 2. N.D. = No Detection (<MDL)
 3. MDL = Method Detection Limit
 4. -- = Not applicable

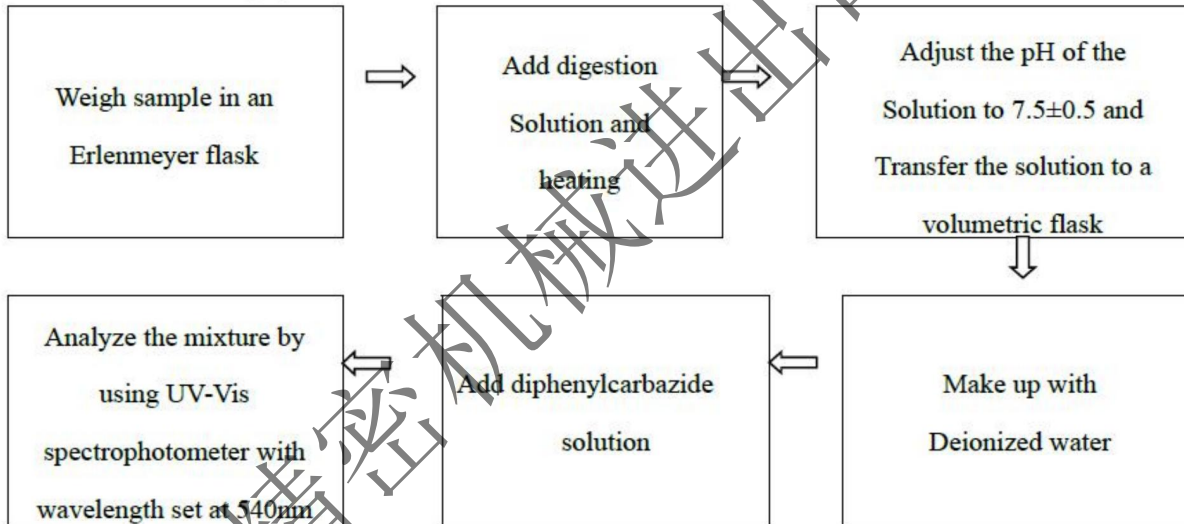
常州唐朝精密机械进出口有限公司

Test Process:

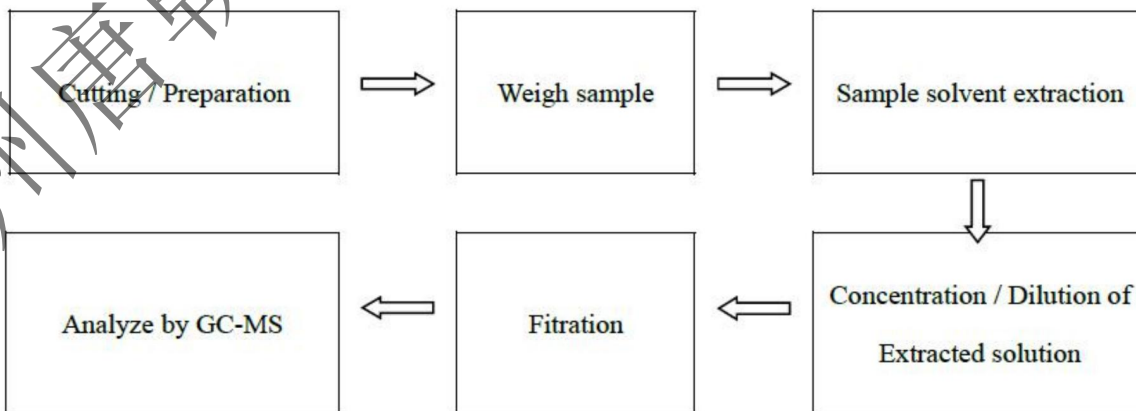
1. Test for Cd/Pb /Hg



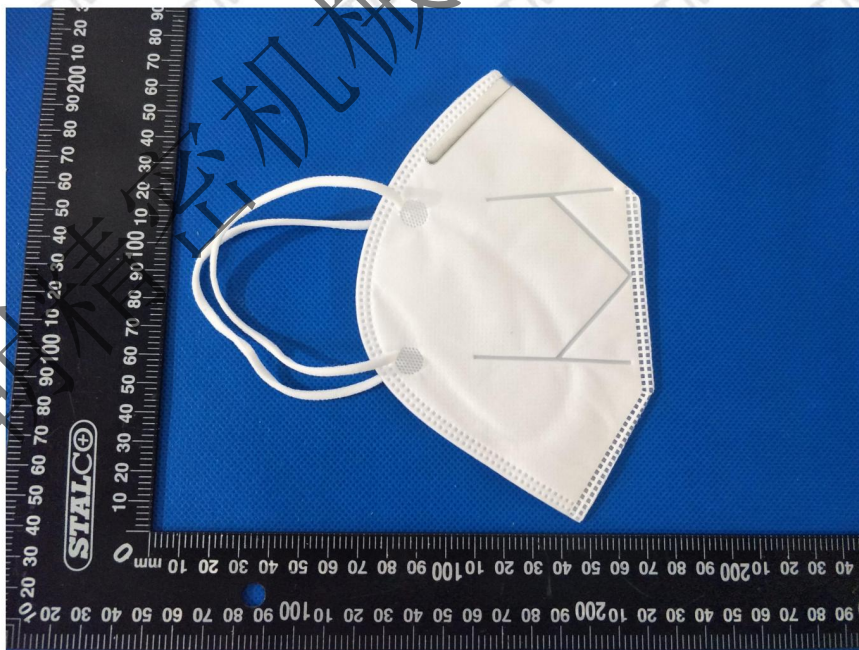
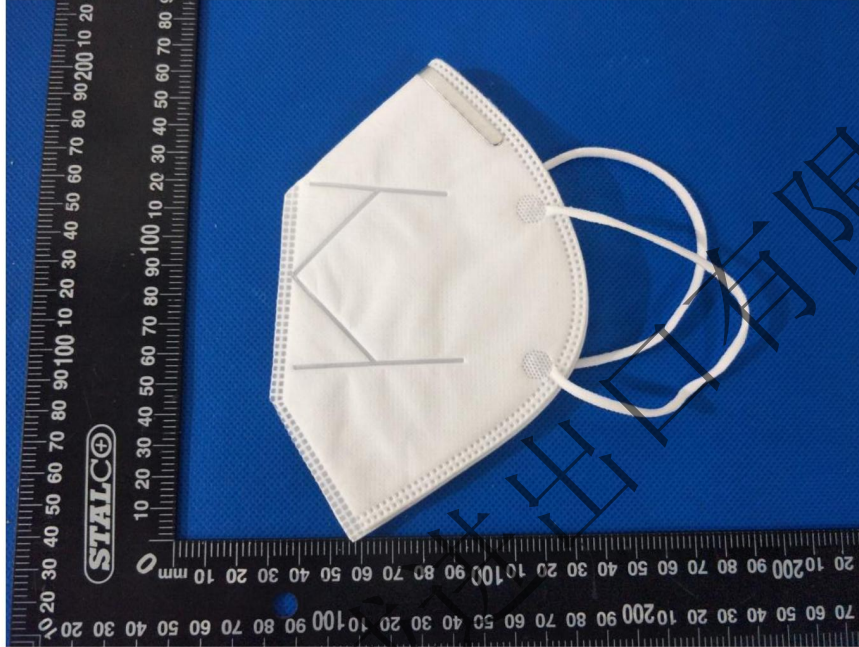
2. Test for Chromium (VI) Content

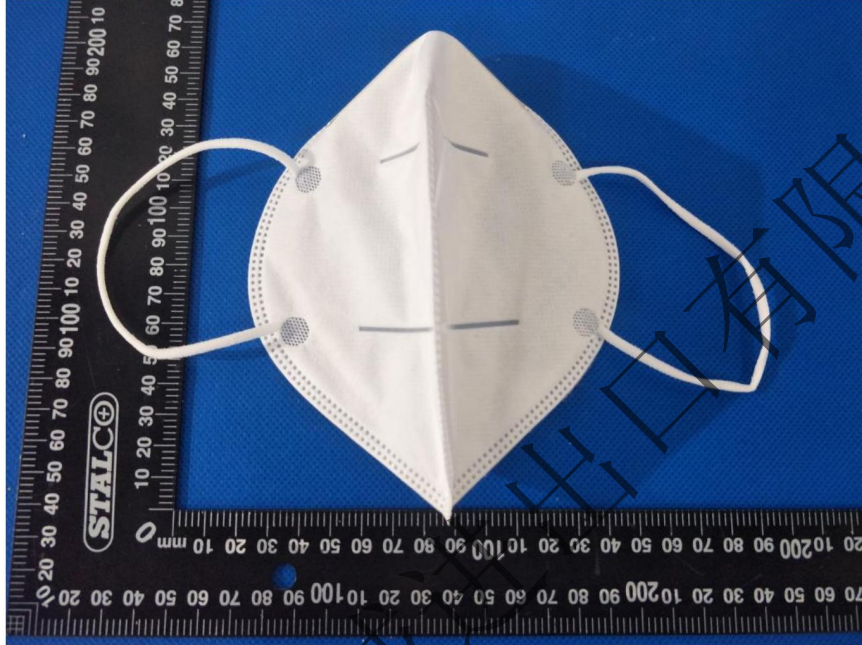


3. Test for PBBs/PBDES/DIBP/DBP/BBP/DEHP Content



Sample photo:





END OF REPORT



Access to global market
TMC Testing Services (Shenzhen) Co., Ltd

Essential Health and Safety Requirements (EHSR) Checklist EU 2016/425 ANNEX II

Manufacturer	Changzhou Tang Dynasty Precision Machinery Industrial Co., Ltd.		
Machinery	KN95 Face Mask		
Type(s) / model(s)	KN95 Face Mask		
Surveyor	Bart Deng		
Date:	2020-03-31		
Ref. to documents:	EN149:2001+A1:2009	TCF No.:	TMC200329115-S

EU 2016/425 ANNEX II			
Clause	Requirement - Test	Result - Remark	Verdict
0	PRELIMINARY REMARKS		
	The essential health and safety requirements laid down in this Regulation are compulsory.		P
	Obligations related to essential health and safety requirements apply only where the corresponding risk exists for the PPE in question.		P
	The essential health and safety requirements are to be interpreted and applied in such a way as to take into account the state of the art and current practice at the time of design and manufacture, as well as technical and economic considerations which are consistent with a high degree of health and safety protection.		P
	The manufacturer shall carry out a risk assessment in order to identify the risks which apply to his PPE. He shall then design and manufacture it taking into account that assessment.		P
	When designing and manufacturing the PPE, and when drafting the instructions, the manufacturer shall envisage not only the intended use of the PPE, but also the reasonably foreseeable uses. Where applicable, the health and safety of persons other than the user shall be ensured.		P
1	GENERAL REQUIREMENTS APPLICABLE TO ALL PPE		—
	PPE must provide adequate protection against the risks against which it is intended to protect.		P
1.1	Design principles		P
1.1.1	Ergonomics		P
	PPE must be designed and manufactured so that, in the foreseeable conditions of use for which it is intended, the user can perform the risk-related activity normally whilst enjoying appropriate protection of the highest level possible.	Considered for the machine and comply with related standard, refer to TCF document.	P
1.1.2	Levels and classes of protection		P
1.1.2.1	Optimum level of protection		P
	The optimum level of protection to be taken into account in the design is that beyond which the constraints imposed by the wearing of the PPE would prevent its effective use during the period of exposure to the risk or the normal performance of the activity.		P
1.1.2.2	Classes of protection appropriate to different levels of risk		P

EU 2016/425 ANNEX II			
Clause	Requirement - Test	Result - Remark	Verdict
	Where differing foreseeable conditions of use are such that several levels of the same risk can be distinguished, appropriate classes of protection must be taken into account in the design of the PPE.		P
1.2	Innocuousness of PPE		—
1.2.1	Absence of inherent risks and other nuisance factors		P
	PPE must be designed and manufactured so as not to create risks or other nuisance factors under foreseeable conditions of use.		P
1.2.1.1	Suitable constituent materials		P
	The materials of which the PPE is made, including any of their possible decomposition products, must not adversely affect the health or safety of users.		P
1.2.1.2	Satisfactory surface condition of all PPE parts in contact with the user		P
	Any part of the PPE that is in contact or is liable to come into contact with the user when the PPE is worn must be free of rough surfaces, sharp edges, sharp points and the like which could cause excessive irritation or injuries.		P
1.2.1.3	Maximum permissible user impediment		—
	Any impediment caused by PPE to the actions to be carried out, the postures to be adopted and sensory perceptions shall be minimised. Furthermore, use of the PPE must not engender actions which might endanger the user.		P
1.3	Comfort and effectiveness		P
1.3.1	Adaptation of PPE to user morphology		P
	PPE must be designed and manufactured in such a way as to facilitate its correct positioning on the user and to remain in place for the foreseeable period of use, bearing in mind ambient factors, the actions to be carried out and the postures to be adopted. For this purpose, it must be possible to adapt the PPE to fit the morphology of the user by all appropriate means, such as adequate adjustment and attachment systems or the provision of an adequate range of sizes.		P
1.3.2	Lightness and strength		P
	PPE must be as light as possible without prejudicing its strength and effectiveness.		P

EU 2016/425 ANNEX II			
Clause	Requirement - Test	Result - Remark	Verdict
	PPE must satisfy the specific additional requirements in order to provide adequate protection against the risks for which it is intended and PPE must be capable of withstanding environmental factors in the foreseeable conditions of use.		P
1.3.3	Compatibility of different types of PPE intended for simultaneous use		P
	If the same manufacturer places on the market several PPE models of different types in order to ensure the simultaneous protection of adjacent parts of the body, they must be compatible.		P
1.3.4	Protective clothing containing removable protectors		P
	Protective clothing containing removable protectors constitutes PPE and shall be assessed as a combination during conformity assessment procedures.		P
1.4	Manufacturer's instructions and information		P
	In addition to the name and address of the manufacturer, the instructions that must be supplied with the PPE must contain all relevant information on:		—
	-instructions for storage, use, cleaning, maintenance, servicing and disinfection. Cleaning, maintenance or disinfectant products recommended by manufacturers must have no adverse effect on the PPE or the user when applied in accordance with the relevant instructions;		P
	-performance as recorded during relevant technical tests to check the levels or classes of protection provided by the PPE;		P
	-where applicable, accessories that may be used with the PPE and the characteristics of appropriate spare parts;		N/A
	-where applicable, the classes of protection appropriate to different levels of risk and the corresponding limits of use;		N/A
	-where applicable, the month and year or period of obsolescence of the PPE or of certain of its components;		N/A
	-where applicable, the type of packaging suitable for transport;		P
	-the significance of any markings (see point 2.12);		N/A
	-the risk against which the PPE is designed to protect;		N/A
	-the reference to this Regulation and, where applicable, the references to other Union harmonisation legislation;		P

EU 2016/425 ANNEX II			
Clause	Requirement - Test	Result - Remark	Verdict
	-the name, address and identification number of the notified body or bodies involved in the conformity assessment of the PPE;		P
	-references to the relevant harmonised standard(s) used, including the date of the standard(s), or references to the other technical specifications used;		P
	-the internet address where the EU declaration of conformity can be accessed.		P
	The information referred to in points (i), (j), (k) and (l) need not be contained in the instructions supplied by the manufacturer if the EU declaration of conformity accompanies the PPE.		P
2	ADDITIONAL REQUIREMENTS COMMON TO SEVERAL TYPES OF PPE		-
3	ADDITIONAL REQUIREMENTS SPECIFIC TO PARTICULAR RISKS		-

Document control	Date	March 31, 2020
Carried out by:	Bart Deng	<i>Bert Deng</i>
Approved by:	Lemon Rao	



中国认可
国际互认
检测
TESTING
CNAS L10118



国检检测
CHINA COMPONENTS TEST

检验检测报告

Test Report

(2020) WSZ-FHL 第 3103 号

产品名称

KN95 口罩

Product Name

委托单位

常州唐朝精密机械进出口有限公司

Client

生产单位

常州唐朝精密机械进出口有限公司

Manufacturer

检验检测类别

委托检验

Test Type

江苏国健检测技术有限公司

Jiangsu Guojian Testing Technology Co.,Ltd



常州唐朝精密机械进出口有限公司

检验检测报告

Test Report

[2020] WSZ FHL 第 3103 号

共 3 页 第 1 页

产品名称 Product name	KN95 口罩	规格型号 Specification	16.5cm×10.5cm
		商 标 Brand	
委托单位/地址/联系电话 Client/Add/Tel	常州唐朝精密机械进出口有限公司/常州市新北区龙虎塘街道信息大道6号-2幢/13775297150		
生产单位/地址/联系电话 Manufacturer/Add/Tel	常州唐朝精密机械进出口有限公司/常州市新北区龙虎塘街道信息大道6号-2幢/13775297150		
样品等级 Sample grade	—	样品编号 Sample number	GW3103-2020
样品数量 Sample quantity	110 个	样品接收日期 Receiving date of sample	2020 年 04 月 01 日
检验检测类别 Test type	委托检验	货号/批号/款号 Article number/Batch number/Style number	—
检验检测日期 Test date	2020/04/06-2020/04/13	检验检测地点 Test site	本公司检验室
样品状态 Sample state	符合检验检测要求		
检验检测依据 Test standard(s)	GB/T32610-2016《日常防护型口罩技术规范》		
检验检测项目 Test items	基本要求、外观要求、吸气阻力、呼气阻力、甲醛含量、pH 值、口罩下方视野、口罩带及口罩带与口罩体连接处断裂强力、过滤效率、防护效果、微生物		
检验检测结果 Test result	<p>具体检验结果详见第 2-3 页。</p> <p style="text-align: right;">江苏国健检测技术有限公司 检验专用章 签发日期 2020 年 4 月 16 日</p>		
备 注 Note	<p>样品信息由委托方提供，本报告仅对来样负责。</p> 		

批准: 苏裕群

审核: 李如明

主检: 杨莹

检验检测结果

Test Result

[2020] WSZ FHL 第 3103 号

共 3 页 第 2 页

序号 S.No.	检验检测项目 Test item	单位 Unit	技术要求 Technical requirement	检验检测结果 Test result	单项评价 Single item decision								
1	基本要求	—	口罩应能安全牢固地护住口、鼻；口罩不应存在可触及的锐利角和锐利边缘，不应佩戴者构成伤害；口罩应便于佩戴和摘除，在佩戴过程中无明显的压迫感或压痛现象，对头部活动影响较小。	符合要求	—								
2	外观要求	—	样品表面不应有破损、油污斑渍、变形及其他明显的缺陷。	样品表面无破损、油污斑渍、变形及其他明显的缺陷。	—								
3	吸气阻力	Pa	≤ 175	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">未预处理</td> <td style="text-align: center;">90.1</td> </tr> <tr> <td style="text-align: center;">未预处理</td> <td style="text-align: center;">92.5</td> </tr> <tr> <td style="text-align: center;">预处理</td> <td style="text-align: center;">91.0</td> </tr> <tr> <td style="text-align: center;">预处理</td> <td style="text-align: center;">93.0</td> </tr> </table>	未预处理	90.1	未预处理	92.5	预处理	91.0	预处理	93.0	—
未预处理	90.1												
未预处理	92.5												
预处理	91.0												
预处理	93.0												
4	呼气阻力	Pa	≤ 145	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">未预处理</td> <td style="text-align: center;">73.1</td> </tr> <tr> <td style="text-align: center;">未预处理</td> <td style="text-align: center;">75.1</td> </tr> <tr> <td style="text-align: center;">预处理</td> <td style="text-align: center;">72.7</td> </tr> <tr> <td style="text-align: center;">预处理</td> <td style="text-align: center;">74.6</td> </tr> </table>	未预处理	73.1	未预处理	75.1	预处理	72.7	预处理	74.6	—
未预处理	73.1												
未预处理	75.1												
预处理	72.7												
预处理	74.6												
5	口罩带及口罩带与口罩体连接处断裂强力	N	≥ 20	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">24.1</td></tr> <tr><td style="text-align: center;">24.0</td></tr> <tr><td style="text-align: center;">24.1</td></tr> <tr><td style="text-align: center;">24.3</td></tr> <tr><td style="text-align: center;">24.2</td></tr> </table>	24.1	24.0	24.1	24.3	24.2	—			
24.1													
24.0													
24.1													
24.3													
24.2													
6	过滤效率	—	I 级：盐性 $\geq 99\%$ 油性 $\geq 99\%$ II 级：盐性 $\geq 95\%$ 油性 $\geq 95\%$ III 级：盐性 $\geq 90\%$ 油性 $\geq 80\%$	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">盐性</td> <td style="text-align: center;">97.2%</td> </tr> <tr> <td style="text-align: center;">油性</td> <td style="text-align: center;">83.7%</td> </tr> </table>	盐性	97.2%	油性	83.7%	—				
盐性	97.2%												
油性	83.7%												
7	防护效果	—	A 级： $\geq 90\%$ B 级： $\geq 85\%$ C 级： $\geq 75\%$ D 级： $\geq 65\%$	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">盐性</td> <td style="text-align: center;">50.4%</td> </tr> <tr> <td style="text-align: center;">油性</td> <td style="text-align: center;">44.3%</td> </tr> </table>	盐性	50.4%	油性	44.3%	—				
盐性	50.4%												
油性	44.3%												

技术有
用章

检验检测结果

Test Result

[2020] WSZ FHL 第 3103 号

共 3 页 第 3 页

序号 S.No.	检验检测项目 Test item	单位 Unit	技术要求 Technical requirement	检验检测结果 Test result	单项 评价 Single item decision	
8	口罩下方视野	—	$\geq 60^\circ$	74.5°	—	
9	甲醛含量	mg/kg	≤ 20	未检出	—	
10	pH 值	—	4.0~8.5	6.2	—	
11	微生物	细菌菌落总数	CFU/g	≤ 200	<20	—
		大肠菌群	—	不得检出	未检出	
		绿脓杆菌	—	不得检出	未检出	
		金黄色葡萄球菌	—	不得检出	未检出	
		溶血性链球菌	—	不得检出	未检出	
		真菌菌落总数	CFU/g	≤ 100	<20	
备注	根据 GB/T 2912.1-2009, 如果甲醛含量检测结果<20mg/kg, 则试验结果为“未检出”。					

以下空白

常州唐朝精造有限公司