



## MS305 PRODUCT DECK v1.8

*"I'm Safe with MSafe."*

Please note that this document is for the general introduction purpose only: KN95 Disposable Respirator - MS305, produced by MSafe Global Trading Limited.

1. COMPANY INTRODUCTION
2. PRODUCT INTRODUCTION
3. CERTIFICATES OF PRODUCT
4. PACKAGING DETAILS
5. EVIDENCE OF USA ORDER

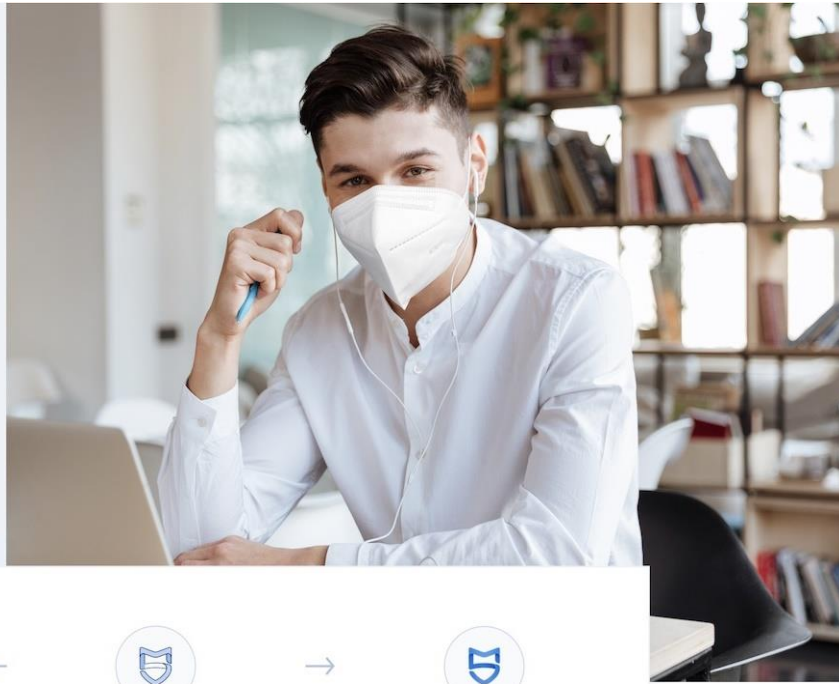


**MSafe**  
I'm Safe with MSafe

# COMPANY INTRODUCTION

## Why is MSAFE?

MSAFE 品牌源于 2020 全球新冠病毒 (COVID-19)，创始人 Kenneth Xu 首次提出其产品：KN95 自吸随弃式口罩将以 Safe “安全”为核心，无时无刻，给你高效防护舒适体验。



**M-Mask**

KN95 自吸随弃式口罩



**S-Safe**

“安全”为核心，无时无刻



**盾牌-Safe**

采用层层过滤技术



**MSafe**

让你每一次呼吸更安心

Amid the COVID-19 pandemic 2020, the world is encountering an ecological health crisis. MSafe founder Kenneth Xu shoulders the mission of an entrepreneur and joins the ranks of battling the COVID-19. Kenneth found the MSafe brand and provides professional and safe personal protective equipment to the global market, and is constantly creating greater value for society.



# COMPANY INTRODUCTION

MSafe was established in the Pilot Free Trading Zone in Lingang New District, Shanghai, China in 2020. MSafe acquired a complete set of business license and international trade credentials. The production plant of MSafe is located in the Dieshiqiao Area, Nantong, Jiangsu Province. Dieshiqiao is well-known for the home textile industry cluster in China.

Exceeding 20,000 square meters and is fully equipped with production, skilled workers and high tacit understanding, MSafe production plant possesses over 15 years of continuous operation history. Benefiting from the clustering effects of the solid home textile supply chain in Dieshiqiao, upper-stream raw material supply for production has been stable. The geographic advantages have safeguarded the quality of MSafe products and guaranteed prompt and stable trade shipments.





# BUSINESS LICENSES



**营 业 执 照**

(副 本)

统一社会信用代码  
91310000MA1H305D9X

证照编号: 42000000202004100094

中国(上海)自由贸易试验区临港新片区

名 称 陌安国际贸易(上海)有限公司 注册 资本 人民币1000.0000万元整

类 型 有限责任公司(自然人投资或控股) 成 立 日期 2020年04月10日

法 定 代 表 人 许斌 营 业 期 限 2020年04月10日至2040年04月09日

经 营 范 围 一般项目: 货物进出口; 技术进出口; 进出口代理; 第一类医疗器械销售; 第二类医疗器械销售; 特种劳动防护用品销售; 医护人员防护用品零售; 医护人员防护用品批发; 数码电子产品、计算机、软件及辅助设备、通讯器材、纺织品、日用百货、包装材料的销售; 包装服务; 社会经济咨询服务; 信息咨询(不含许可类信息咨询); 国内贸易代理; 国际货物运输代理; 国内货物运输代理; 企业管理(除依法须经批准的项目外, 凭营业执照依法自主开展经营活动)。

住 所 中国(上海)自由贸易试验区临港新片区环湖西二路888号C楼

登 记 机 关

2020 年 04 月 10 日



国家企业信用信息公示系统网址 <http://www.gsxt.gov.cn> 市场主体应当于每年1月1日至6月30日通过国家企业信用信息公示系统报送公示年度报告。 国家市场监督管理总局监制

Business License

**海关进出口货物收发货人备案回执**

企业名称	陌安国际贸易(上海)有限公司
统一社会信用代码	91310000MA1H305D9X
海关备案日期	2020-04-22
海关编码	3122260YET
检验检疫备案号	3158100080
有效期	长期



自然人、法人或者非法人组织可通过“中国海关企业进出口信用信息公示平台”(http://credit.customs.gov.cn)或者“互联网+海关”(http://online.customs.gov.cn)查询海关公示的企业信息。

Customs License

**第二类医疗器械经营备案凭证**

备案号: 沪浦食药监械经营备 20200432 号

企业名称	陌安国际贸易(上海)有限公司
法定代表人	许斌
企业负责人	许斌
经营方式	批发
住 所	中国(上海)自由贸易试验区临港新片区环湖西二路888号C楼
经营场所	上海市浦东新区航头镇沪南路5599号1幢1层141室
库房地址	上海市浦东新区航头镇沪南路5599号1幢1层141室
经营范围	第二类医疗器械(不含体外诊断试剂)***

备案部门: 上海市浦东新区市场监督管理局  
(公章)  
备案日期: 2020年5月14日



Level II MD License



# FACTORY SCENE





# MSafe AT THE EXHIBITION





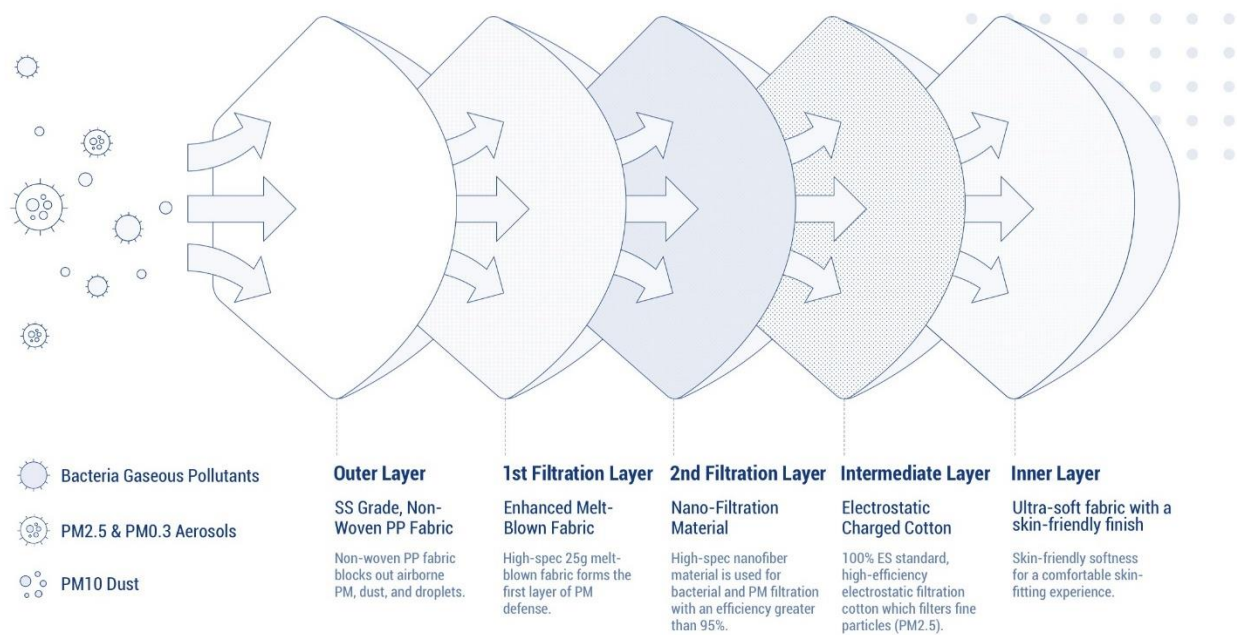
# PRODUCT INTRODUCTION – 3D Foldable design

MS3O5 endures a standard folding with ear-bands 3D-design, which is integrally formed after being printed by automated mechanical equipment. Multiple safety measurements are integrated into the design to improve product competitiveness, including zigzag edge banding, built-in nose clip, high-tenacity ear-loop, etc.





# PRODUCT INTRODUCTION – 5 Layers Design



The MS305 has been meticulously designed to maximize its protective effectiveness, featuring an integrally-formed five-layer filtration structure. The outer layer is made of SS water-repellent non-woven fabric, the filtration layer is constructed of nano-filtration material and melt-blown fabric mixed design, the intermediate layer adopts high air permeability electrostatic charged cotton with 100% ES quality, and the inner layer is made of hydrophilic non-woven fabric.

MS305 will be manufactured in accordance with the following international standards:

- ✓ GB2626:2006
- ✓ NIOSH 42 CFR84
- ✓ EN 149:2001+A1:2009

*Please refer to the relevant testing reports and supporting documents for more details.*



# CERTIFICATES OF MSafe MS305

MS305 has obtained all the test reports and certifications in accordance with the China, US and EU standard in respect to the disposable respirators.

Certificate Item	Issuer/Regulator	Status
FDA Registration	FDA	✓
GB2626:2006	TÜV Rheinland/CNAS Lab	✓
NIOSH 42 CFR 84	Nelson Labs U.S.	✓
EN 149 FFP2 Test	Dekra Germany	✓
EU REACH Test	TÜV Rheinland	✓
ISO 9001:2015	CNCA	✓
GS1 Membership License	GS1	✓





# FDA Registration and Screenshot

- FDA Registration – Official verification link of the FDA website

<https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfrl/rl.cfm>

- FDA Owner/Operator Number: 10070831

<https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfrl/rl.cfm>

U.S. Department of Health & Human Services

**FDA U.S. FOOD & DRUG ADMINISTRATION**

Follow FDA | En Español **SEARCH**

Home Food Drugs Medical Devices Radiation-Emitting Products Vaccines, Blood & Biologics Animal & Veterinary Cosmetics Tobacco Products

### Establishment Registration & Device Listing

FDA Home Medical Devices Databases

1 result found for **Owner Operator Number : 10070831** [New Search](#)

Establishment Name	Registration Number	Current Registration Yr
<a href="#">MSAFE GLOBAL TRADING LIMITED</a> CHINA	No number listed	2020
<a href="#">Accessory_Surgical Apparel - Mask</a>		Manufacturer
<a href="#">Respirator_Surgical - KN95 Mask; KN95 Respirator</a>		Manufacturer

Can't find what you're looking for? [Try a new search](#)

Page Last Updated: 05/11/2020  
Note: If you need help accessing information in different file formats, see Instructions for Downloading Viewers and Players.  
Language Assistance Available: Español | 繁體中文 | Tiếng Việt | 한국어 | Tagalog | Русский | العربية | Kreyòl Ayisyen | Français | Polski | Português | Italiano | Deutsch | 日本語 | فارسی | English

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<https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfrl/rl.cfm?rid=259327>

U.S. Department of Health & Human Services

**FDA U.S. FOOD & DRUG ADMINISTRATION**

Follow FDA | En Español **SEARCH**

Home Food Drugs Medical Devices Radiation-Emitting Products Vaccines, Blood & Biologics Animal & Veterinary Cosmetics Tobacco Products

### Establishment Registration & Device Listing

FDA Home Medical Devices Databases

[New Search](#) [Back To Search Results](#)

**Establishment:**  
MSAFE GLOBAL TRADING LIMITED  
Room 750, 7th Floor, BRICS Building, No.333 Lujiazui Ring Road,Pudong New District  
Shanghai Shanghai, CN 201200  
**Status:** Active; Awaiting Assignment Of Registration Number  
**Date Of Registration Status:** 2020

**Owner/Operator:**  
[MSafe Global Trading Limited](#)  
Room 750, 7th Floor, BRICS Building, No.  
Shanghai, Shanghai CN 200120  
**Owner/Operator Number:** 10070831


**Official Correspondent:**  
Kenneth Xu  
Room 750, 7th Floor, BRICS Building, No.  
Shanghai, Shanghai CN 200120  
**Phone:** 86-137-61219607

**US Agent:**  
Rebecca Toman  
839 FM 1489 Road Brookshire, Texas 77423 U.S.A  
Brookshire, TX US 77423  
**Phone:** 281 6008227 Ext  
**Email:** Cs@Ltlqa.Com

\* Firm Establishment Identifier (FEI) should be used for identification of entities within the imports message set

# TÜV Rheinland Core Item Testing - 1

- Testing Report performed by TÜV Rheinland and issued on June 1<sup>st</sup>, 2020
- Testing on Core items including Filtration Efficiency, Breathing Resistance and Flammability.

 **TÜVRheinland®**  
Precisely Right.

第 1 页 共 5 页 Page 1 of 5

**Test Report No.:** 178140750a 001

**测试报告号**

**Client:** MSafe Global Trading Limited  
**委托单位** 陌安国际贸易（上海）有限公司

**Address** Room 750, 7<sup>th</sup> Floor, BRICS Building, No.333 Lujiazui Ring Road, Pudong New District, Shanghai, China, 201200  
**地址** 上海市浦东新区陆家嘴环路 333 号金砖大厦 750 室


**Contact Person:** Xu Bin  
**联系人**

**Contact Information:** Kenneth.xu@msafe.com  
**联系方式**

**Sample Description As Declared :**  
**受检样品 (客户认定为):**

Product Description	MSafe KN95 Respirator
产品名称	:
Lot No./Batch code	MS305
生产批号	:
Test Type	Commission Test (Submitted Test)
检验类别	:
Document Accordance	GB 2828-2008
判断依据	:
Test Performed	Selected Test(s) As Requested By Applicant
检验项目	:
Sample Receiving Date:	2020-05-27
收样日期	:
Delivery Condition	Apparent good, Samples tested as received
样品状况	:
Test Period	2020-05-27 to 2020-06-01
测试周期	:

For and on behalf of  
TÜV Rheinland / CCIC (Qingdao) Co., Ltd.  
莱茵技术-商检（青岛）有限公司



2020-06-01  
Date / 日期 Assistant manager / 副经理

*Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed. This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.*

样品信息由客户提供。测试结果根据所做测试的种类和范围而得出。本测试报告仅对来样负责。未经本测试中心许可，测试报告不得部分复制。不能根据此报告在上述产品或类似产品上使用任何安全标志

莱茵技术-商检(青岛)有限公司, 中国山东省青岛市城阳区棘洪滩 175 号 2 号楼 6 层。 电话: +86-532-8870 6655 - 传真: +86-532-8870 6659 邮箱: info@qd.chn.tuv.com - 网址: www.tuv.com



# TÜV Rheinland Core Item Testing - 2

- Testing Report performed by TÜV Rheinland and issued on June 1st , 2020
- Testing on Core items including Filtration Efficiency, Breathing Resistance and Flammability.



测试报告号: 178140750a 001

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Page 2 of 5

## Summary of test results

测试结论

	M001
Respiratory Resistance <sup>^</sup>	M
呼吸阻力 <sup>^</sup>	M
Flammability <sup>^</sup>	M
可燃性 <sup>^</sup>	M
Filtration Efficiency <sup>^</sup>	M
过滤效率 <sup>^</sup>	M

Note : M = Meet Performance Standard F = Below Performance Standard

备注: M = 符合检验及判断依据 F = 低于检验及判断依据

# = No Specified Requirement \* = No Submitted Information

# = 没有指定要求 \* = 没有提供信息

N/A = Not Applicable

N/A = 不适用

<sup>^</sup>= This testing item is out of the scope of our test capabilities, and was sub-contracted to a laboratory which complies with the requirement of ISO/IEC 17025:2017

<sup>^</sup>=该测试不在我司测试能力范围内, 并分包到符合 ISO/IEC 17025:2017 的实验室

## Material list

材料清单

Material No. 编号	Material 材料	Color/Pattern 颜色/花型	Location 部位
M001	Whole Product 成品	White 白色	Mask 口罩

# TÜV Rheinland Core Item Testing - 3

- Testing Report performed by TÜV Rheinland and issued on June 1st , 2020
- Testing on Core items including Filtration Efficiency, Breathing Resistance and Flammability.



测试报告号: 178140750a 001

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## 1. Respiratory Resistance<sup>A</sup>

呼吸阻力<sup>A</sup>

Test method : GB 2626-2006 6.5&6.6

测试方法

M001						
Item 项目		Condition 条件	No. 序号	Test results 测试结果	Requirement 要求	Conclusion 结论
Respiratory Resistance 呼吸阻力	Total Expiratory Resistance 总呼气阻力	Samples Without Pretreatment: 未预处理样品	1	190 Pa	$\leq 250$ Pa	Pass 符合
			2	189 Pa		
	Total Inspiratory Resistance 总吸气阻力	Samples Without Pretreatment: 未预处理样品	1	225 Pa	$\leq 350$ Pa	Pass 符合
			2	192 Pa		

## 2. Flammability<sup>A</sup>

可燃性<sup>A</sup>

Test method : GB 2626-2006 6.15

测试方法

M001		
Test results 测试结果	Requirement 要求	Conclusion 结论
Samples Without Pretreatment: 未预处理 No Afterflame 未继续燃烧	When the components exposed to the flame leave from the flame, it should not burn; if burn, the afterflame time should be no more than 5s 暴露于火焰的各部件在从火焰移开后, 不应燃烧; 如果燃烧, 续燃时间不应超过 5s	Pass 符合



# TÜV Rheinland Core Item Testing - 4

- Testing Report performed by TÜV Rheinland and issued on June 1st, 2020
- Testing on Core items including Filtration Efficiency, Breathing Resistance and Flammability.



测试报告号: 178140750a 001

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### 3. Filtration Efficiency

过滤效率

Test method : GB 2626-2006 6.3

测试方法

M001					
Test item description 项目描述	Condition 条件	No. 序号	Initial Filtration Efficiency 初始过滤效率	Requirement 要求	Conclusion 结论
NaCl Particle 氯化钠颗粒物	Samples Without Pretreatment: 未预处理样品	1	98.99%	$\geq 95.0\%$	Pass 符合 (KN95)
		2	98.90%		
		3	98.90%		
		4	98.86%		
		5	98.84%		
		6	98.90%		
		7	98.89%		
		8	98.95%		
		9	98.91%		
		10	99.04%		

# TÜV Rheinland Core Item Testing - 5

- Testing Report performed by TÜV Rheinland and issued on June 1st , 2020
- Testing on Core items including Filtration Efficiency, Breathing Resistance and Flammability.



测试报告号: 178140750a 001

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Sample Photo:  
样品照片







- END -  
— 报告结束 —



# GTT GB2626:2006 Testing Report - 1




- GB2626:2006 Testing Report - CNAS/CMA
- GTTC issued on May 8th, 2020

		  	
		<b>TEST REPORT</b> (Electronic version)	
		VERIFICATION WEBSITE: <a href="http://www.gttc.net.cn">www.gttc.net.cn</a> VERIFICATION CODE: VN0F-3535-54	
No: 200088201		ISSUE DATE: 2020-05-08	
APPLICANT: MSAFE GLOBAL TRADING LIMITED ADDRESS: ROOM 750, 7TH FLOOR, BRICS BUILDING, NO.333 LUJIAZUI RING ROAD, PUDONG NEW DISTRICT, SHANGHAI, CHINA, 201200			
INFORMATION CONFIRMED BY APPLICANT: KN95 RESPIRATOR QUANTITY: THIRTY-FIVE PIECES BRAND: MSafe			
DATE RECEIVED/DATE TEST STARTED: 2020-04-20			
CONCLUSION:			
VISUAL FIELD		M	
FILTRATION EFFICIENCY TO NaCl PARTICULATE MATTER		M	
INSPIRATORY RESISTANCE		M	
EXPIRATORY RESISTANCE		M	
FLAMMABILITY		M	
HEAD BAND		M	
NOTE: "M" -MEET THE STANDARD'S REQUIREMENT "F" -FAIL TO MEET THE STANDARD'S REQUIREMENT "---" -NO COMMENT			
REMARK: THIS REPORT IS THE ENGLISH TRANSLATION VERSION OF THE REPORT 200088200. ALL THE TESTED ITEMS ARE TESTED UNDER THE STANDARD CONDITION (EXCEPT FOR INDICATION). COPIES OF THE REPORT ARE VALID ONLY RE-STAMPED. THE EXPERIMENT WAS CARRIED OUT AT No.1, ZHUJIANG ROAD, PANYU DISTRICT, GUANGZHOU, GUANGDONG, P. R. CHINA.			
APPROVED BY: <u>ZiShan Guo</u> SENIOR ENGINEER		 1 OF 4	
总部: 广州市番禺区珠江路1号 花都实验室: 广州市花都区那岭镇那岭河滨西路1号		电话: 020-61994598/61994599 电话: 020-37721161	

# GTT GB2626:2006 Testing Report - 2


- GB2626:2006 Testing Report - CNAS/CMA
- GTTC issued on May 8th, 2020


**广检集团**  
GTTC

中国合格评定  
国家认可委员会  
CNAS 110816

**TEST REPORT** (Electronic version)

No: 200088201






总部: 广州市番禺区珠江路1号  
花都实验室: 广州市花都区狮岭镇旗岭河滨西路1号

电话: 020-61994588/61994599  
电话: 020-37721161






# GTT GB2626:2006 Testing Report - 3

- GB2626:2006 Testing Report - CNAS/CMA
- GTTC issued on May 8th, 2020



广检集团  
GTTC



中国合格评定  
国家认可  
实验室  
CNAS 17000

TEST REPORT

(Electronic version)

No:200088201

VISUAL FIELD(° )  
(GB 2890-2009 6.8)

65

REQUIREMENT  
≥60  
(GB 2626-2006)

FILTRATION EFFICIENCY TO NaCl PARTICULATE MATTER(%)  
(GB 2626-2006 6.3, AIR FLOW:85L/min, AEROSOL:NaCl, AEROSOL CONCENTRATION, 15mg/m³,  
TEMP:22.1℃ RH:36.7%)

FILTRATION EFFICIENCY:  
UNTREATED SAMPLE  
1# 98.74  
2# 98.61  
3# 98.75  
4# 98.79  
5# 98.92  
6# 98.51  
7# 98.42  
8# 98.37  
9# 98.71  
10# 98.60  
CONDITIONING TREATED  
1# 98.06  
2# 97.56  
3# 98.56  
4# 98.12  
5# 98.01

REQUIREMENT  
FILTRATION EFFICIENCY:  
≥95.0  
(KN95)  
(GB 2626-2006)

INSPIRATORY RESISTANCE(Pa)  
(GB 2626-2006 6.5, HEAD SIZE: MEDIUM)


UNTREATED SAMPLE:  
1# 117.8  
2# 114.5  
PRETREATMENT SAMPLE:  
1# 109.4  
2# 112.7

REQUIREMENT  
≤350  
(GB 2626-2006)

EXPIRATORY RESISTANCE(Pa)  
(GB 2626-2006 6.6, HEAD SIZE: MEDIUM)

UNTREATED SAMPLE:  
1# 104.2  
2# 98.5  
PRETREATMENT SAMPLE:  
1# 99.1  
2# 96.5

REQUIREMENT  
≤250  
(GB 2626-2006)



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总部: 广州市番禺区珠江路1号  
花都实验室: 广州市花都区狮岭镇旗岭河滨西路1号

电话:020-61994598/61994599  
电话:020-37721161

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# GTT GB2626:2006 Testing Report - 4

- GB2626:2006 Testing Report - CNAS/CMA
- GTTC issued on May 8th, 2020

	<b>广检集团</b> —GTTC—				中国合格评定 国家认可委员会 CNAS CMA 113314
<b>TEST REPORT</b> (Electronic version)					
No:200088201					
<b>FLAMMABILITY(±)</b> (GB 2626-2006 6.15)					
AFTERFLAME TIME		REQUIREMENT			
UNTREATED SAMPLE		AFTERFLAME TIME			
1# 0.0		≤5			
2# 0.0		(GB 2626-2006)			
CONDITIONING TREATED					
3# 0.0					
4# 0.0					
<b>HEAD BAND</b> (GB 2626-2006 6.11)					
UNTREATED SAMPLE:		REQUIREMENT			
1# PASS		EACH HEAD BAND, BUCKLE AND OTHER ADJUST			
CONDITIONING TREATED:		PARTS OF MASK SHOULD NOT SLIP OR BREAK			
1# PASS		UNDER 10N TENSION FOR 10S.			
		(GB 2626-2006)			

——End of Report——

PAGE 4 OF 4

总部：广州市番禺区珠江路1号

花都实验室：广州市花都区那岭镇凰岭南滨西路1号

电话:020-61994598/61994599

电话:020-37721161

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# Nelson Labs Testing based on NIOSH Standard - 1

- Nelson Labs Testing on NIOSH 42 CFR 84 Filtration efficiency.
- Testing samples were arrived US Lab on May 12th, and the report was issued on June 10th , 2020



Sponsor:  
Kenneth Xu  
MSafe Global Trading Limited  
Room 750, 7th Floor, BRICS Bldg, No. 333 Lujiazui Ring Rd.  
Pudong New District, Shanghai, 201200  
CHINA

## Sodium Chloride (NaCl) Aerosol Test Final Report

Test Article: MSafe KN95 Respirator / Type(s): MS305 / Brand :MSafe  
Purchase Order: 20-536A  
Study Number: 1299340-S01  
Study Received Date: 13 May 2020  
Testing Facility: Nelson Laboratories, LLC  
6280 S. Redwood Rd.  
Salt Lake City, UT 84123 U.S.A.  
Test Procedure(s): Standard Test Protocol (STP) Number: STP0014 Rev 09  
Deviation(s): None

**Summary:** This procedure was performed to evaluate particulate filter penetration as specified in 42 CFR Part 84 and TEB-APR-STP-0059 for requirements on a N95 respirator. Respirators were conditioned then tested for particle penetration against a polydispersed, sodium chloride (NaCl) particulate aerosol. The challenge aerosol was dried, neutralized, and passed through the test article at a concentration not exceeding 200 mg/m<sup>3</sup>. The initial airflow resistance and particle penetration for each respirator was determined.

According to 42 CFR Part 84.64, pretesting must be performed by all applicants as part of the application process with NIOSH. Results seen below are part of that pretesting and must be submitted to and accepted by NIOSH for respirator approval.

All test method acceptance criteria were met. Testing was performed in compliance with US FDA good manufacturing practice (GMP) regulations 21 CFR Parts 210, 211 and 820.

**Results:** The NIOSH N95 filter efficiency as stated in 42 CFR Part 84.181 is a minimum efficiency for each filter of ≥95% (≤5% penetration). The test articles submitted by the sponsor conform to the NIOSH N95 criteria for filter efficiency.

Test Article Number	Corrected <sup>a</sup> Initial Airflow Resistance (mm H <sub>2</sub> O)	Maximum Particle Penetration (%)	Filtration Efficiency (%)
1	25.9	0.672	99.328
2	26.9	0.693	99.307
3	29.4	0.679	99.321

<sup>a</sup> The final airflow resistance value for each test article was determined by subtracting out the background resistance from the system.



Robert Dieker electronically approved for  
Study Director

Curtis Gerow

10 Jun 2020 15:53 (+00:00)  
Study Completion Date and Time

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dn

FRT0014-0002 Rev 6  
Page 1 of 2

These results apply to the samples as received and relate only to the test article listed in this report. Reports may not be reproduced except in their entirety. Subject to NL terms and conditions at [www.nelsonlabs.com](http://www.nelsonlabs.com).



# Nelson Labs Testing based on NIOSH Standard - 2

- Nelson Labs Testing on NIOSH 42 CFR 84 regarding Breathing Resistance
- Testing samples were arrived US Lab on May 12th, and the report was issued on May 27th, 2020



Sponsor:  
Kenneth Xu  
MSafe Global Trading Limited  
Room 750, 7th Floor, BRICS Bldg, No. 333 Lujiazui Ring Rd.  
Pudong New District, Shanghai, 201200  
CHINA

## Determination of Inhalation and Exhalation Resistance for Air-Purifying Respirators Final Report

Test Article: MSafe KN95 Respirator / Type(s): MS305 / Brand: MSafe  
Purchase Order: 20-536A  
Study Number: 1299341-S01  
Study Received Date: 13 May 2020  
Testing Facility: Nelson Laboratories, LLC  
6280 S. Redwood Rd.  
Salt Lake City, UT 84123 U.S.A.  
Test Procedure(s): Standard Test Protocol (STP) Number: STP0145 Rev 05  
Deviation(s): None

**Summary:** This procedure was performed to evaluate the differential pressure of non-powered air-purifying particulate respirators in accordance with 42 CFR Part 84.180. The air exchange differential or breathability of respirators was measured for inhalation resistance using NIOSH procedure TEB-APR-STP-0007 and exhalation resistance with NIOSH procedure TEB-APR-STP-0003. The differential pressure technique is a simple application of a basic physical principle employing a water manometer differential upstream and downstream of the test material, at a constant flow rate.

According to 42 CFR Part 84.64, pretesting must be performed by all applicants as part of the application process with NIOSH. Results seen below are part of that pretesting and must be submitted to and accepted by NIOSH for respirator approval.

The inhalation resistance criteria as stated in 42 CFR Part 84.180 is an initial inhalation not exceeding 35 mm water column height pressure. The test articles submitted by the sponsor conform to this NIOSH criterion for airflow resistance.

The exhalation resistance criteria as stated in 42 CFR Part 84.180 is an initial exhalation not exceeding 25 mm water column height pressure. The test articles submitted by the sponsor conform to this NIOSH criterion for airflow resistance.

All test method acceptance criteria were met. Testing was performed in compliance with US FDA good manufacturing practice (GMP) regulations 21 CFR Parts 210, 211 and 820.



Robert Dieker electronically approved for  
Study Director

Curtis Gerow

27 May 2020 19:04 (+00:00)  
Study Completion Date and Time

801-290-7500 | [nelsonlabs.com](http://nelsonlabs.com) | [sales@nelsonlabs.com](mailto:sales@nelsonlabs.com)

my/ FRT0145-0001 Rev 3  
Page 1 of 2

These results apply to the samples as received and relate only to the test article listed in this report. Reports may not be reproduced except in their entirety. Subject to NLS terms and conditions at [www.nelsonlabs.com](http://www.nelsonlabs.com).

# Nelson Labs Testing based on NIOSH Standard - 3

- Nelson Labs Testing on NIOSH 42 CFR 84 regarding Breathing Resistance
- Testing samples were arrived US Lab on May 12th, and the report was issued on May 27th, 2020



Study Number 1299341-S01  
Determination of Inhalation and Exhalation Resistance  
for Air-Purifying Respirators Final Report

## Results:

Test Article Number	Inhalation Resistance (mm H <sub>2</sub> O)	Exhalation Resistance (mm H <sub>2</sub> O)
1	18.6	18.3
2	20.6	20.9
3	18.2	18.0

**Test Method Acceptance Criteria:** The resistance measurement for the reference plate must be within  $\pm 3$  standard deviations of the mean established in the control chart.

**Procedure:** A complete respirator was mounted to a test fixture comprised of a metal plate with an approximate 3.5 inch diameter hole in the center to allow airflow to reach the mask. The sample holder was assembled by placing a Plexiglas collar around the test fixture and topping with another metal disc with a 3.5 inch opening in the center. The sample holder is held tightly together with clamps and connected to an air source. The manometer is attached to the sample holder by a connection port on the Plexiglas collar.

Before testing, the manometer was zeroed and the back pressure in the sample holder checked and verified to be acceptable. Resistance measurements were taken with a manometer capable of measuring at least 6 inches of water. For inhalation testing, a negative airflow (vacuum) was applied. For exhalation testing, a positive airflow (compressed air) was used. Airflow was passed through the sample holder at approximately  $85 \pm 2$  liters per minute (L/min).

# Dekra EN 149:2001+A1:2019 FFP2 Testing Report - 1

- 1. Dekra Testing on EN 149:2001+A1:2019 FFP2 Level.
- 2. Full test report was issued on June 8th, 2020.



**DEKRA Testing and Certification GmbH**  
**Standort Essen**  
**Persönliche Schutzausrüstungen**

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45307 Essen, Germany

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E-Mail CPA@dekra.com

## **Prüfbericht / Test report** **No. 3417743.10-CPA**

<b>Prüfgegenstand</b> <i>Testsubject</i>	Corona SARS-CoV-2 Atemschutzmaske <i>Corona SARS-CoV-2 respiratory protective mask</i>
<b>Modell</b> <i>Type</i>	Msafe KN95 Disposable Respirator (non medical)
<b>Hersteller</b> <i>Manufacturer</i>	Nantong Yuhui Wire Industry Co., Ltd. Tongguang Building, East Wenzhou Road, Chuanjiang Town, Tongzhou District Nantong City, Jiangsu Province, China
<b>Prüfgrundlage</b> <i>Test requirement</i>	Prüfgrundsatz für Corona SARS-Cov-2 Pandemie Atemschutzmasken Rev. 1 vom 26.03.2020 <i>Testing principle for Corona SARS-CoV-2 pandemic respiratory masks rev. 1 of 2020-03-26</i>
<b>Prüfergebnis</b> <i>Test result</i>	Die Pandemie Atemschutzmaske entspricht den Corona SARS-CoV-2 Prüfanforderungen <i>The pandemic respiratory protective mask does meet the Corona SARS-CoV-2 test requirements.</i>
<b>Datum</b> <i>Date of issue</i>	08.06.2020

Dieser Bericht besteht aus 14 Seiten. *This report consists of 14 pages.*

Eine auszugsweise Veröffentlichung dieses Berichtes bedarf der Zustimmung der DEKRA Testing and Certification GmbH. Juristisch bindend ist ausschließlich die deutsche Fassung dieses Berichtes.

*Publication of extracts of this report requires agreement of DEKRA Testing and Certification GmbH. We confirm the correctness of the translation of the German original. In the case of arbitration however only the German wording shall be valid and binding.*

DEKRA Testing and Certification GmbH, Handwerkstraße 15, 70565 Stuttgart  
Zertifizierungsstelle *Certification Body*: Dinnendahlstraße 9, 44809 Bochum  
Telefon +49.234.3696-400, Fax +49.234.3696-401, DTC-Certification-body@dekra.com

**Prüfbericht Nr. / Test report no.:**  
3417743.10-CPA

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## Veranlassung / Reason

<b>Auftragseingang</b> <i>Date of order</i>	28/04/2020
<b>Auftraggeber</b> <i>Applicant</i>	Msafe Global Trading Limited Room 750, 7 <sup>th</sup> Floor, BRICS Building, No. 333, Lujiazui, Ring Road, Pudong New District, Shanghai, China
<b>Importeur</b> <i>Importer</i>	Msafe Global Trading Limited Room 750, 7 <sup>th</sup> Floor, BRICS Building, No. 333, Lujiazui, Ring Road, Pudong New District, Shanghai, China
<b>Eingang der Prüfmuster</b> <i>Date of receipt of test item</i>	20/05/2020
<b>Prüfzeitraum</b> <i>Date (s) of performance of tests</i>	21/05/2020 – 04/06/2020
<b>Prüfstandort</b> <i>Test location</i>	DEKRA Testing and Certification GmbH Persönliche Schutzausrüstungen Adlerstraße 29, 45307 Essen, Germany

## Zusammenfassung der Prüfung / Summary of Testing

Prüfung <i>Test</i>	bestanden <i>pass</i>	nicht bestanden <i>fail</i>	nicht anwendbar <i>not applicable</i>
2.2 Sichtprüfung / <i>Visual inspection</i>	✓		
2.3 Anlegeprüfung / <i>Donning test</i>			N/T
2.4 Durchlass des Filtermediums / <i>Penetration of the filter medium</i>	✓		
2.5 Ausatemventil(e) / <i>Exhalation valve(s)</i>	✓		
2.6 Atemwiderstand / <i>Breathing resistance</i>			
2.6.1 CPA ohne Ventil / <i>CPA without valve</i>	✓		
2.6.2 CPA mit Ventil / <i>CPA with valve</i>			N/T
2.7 Kennzeichnung und Informationen des Herstellers / <i>Marking and manufacturer's information</i>	✓		

N/T Nicht getestet oder geprüft / *Not tested or checked*

### Bemerkung / Remarks:

Die Prüfung gilt als „bestanden“, wenn der ermittelte Messwert kleiner oder gleich dem vorgegebenen Grenzwert ist. Mögliche Erklärungen zu „nicht bestanden“ oder nicht durchgeführten Prüfungen können dem Glossar am Ende dieses Prüfberichts entnommen werden.

*The test is considered as a "pass" if the measured value is less or equal to the limit.*

*Possible explanations for "failed" or not performed tests can be found in the glossary at the end of this test report.*

DEKRA Testing and Certification GmbH

H. Biener

Prüfingenieur/ *Test engineer*

**Prüfbericht Nr. / Test report no.:**  
3417743.10-CPA

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## 2.4 Durchlass des Filtermediums / Penetration of the filter medium

Der Durchlass des Filters der CPA wird mit Paraffinöl mit 95 l/min geprüft. Es müssen insgesamt drei Muster der CPA geprüft werden. Die drei Muster werden wie folgt konditioniert: Temperaturkonditionierung nur bei hoher Temperatur und Gebrauchssimulation mit feuchter Beatmung für 20 Minuten. Die Prüfung erfolgt nach EN 149:2001+A1:2009 Abschnitt 8.11 mit der Prüfung des Durchlasses nach EN 13274-7:2008 Abschnitt 5.1 und 5.2. Der Durchlass der CPA aller drei Muster muss  $\leq 6,0$  % sein.

*The penetration through the filter of the CPA is tested using paraffin oil at 95 l/min. In total, three samples of the CPA have to be tested. The three samples will be conditioned as follows: temperature conditioning only at high temperature, and simulation of wearing with moist respiration for 20 minutes. The test is carried out in accordance with section 8.11 of EN 149:2001+A1:2009 with the filter penetration according to EN 13274-7:2008 clause 5.1 and 5.2. The penetration of the CPA of all three samples must be  $\leq 6.0$  %.*

Tabelle I Ergebnisse beim Kurztest (3 min) / Table I Results during short test (3 min)

Probe Sample <sup>1</sup>	Konditionierung Conditioning	Durchlassgrad bei 95 l/min Paraffinöl Penetration at 95 l/min Paraffine oil [%]	
		Anforderung Requirement	Ergebnis Test result
01	T.C. + S.W.	$\leq 6,0$ %	0,65
02	T.C. + S.W.		0,27
03	T.C. + S.W.		0,63

<sup>1</sup> Vom Prüflabor verwendete Bezeichnung. Designation used by the testing laboratory.  
T.C.: Temperatur konditioniert / Temperature conditioned  
S.W.: Gebrauchssimulation / Usage simulation

## Products



Report No. 报告号: 178140915a 001

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第 1 页, 共 27 页

Client 客户: MSafe GLOBAL TRADING LIMITED  
陌安国际贸易(上海)有限公司

Contact Information 联系方式: Room 750, 7th Floor, BRICS Building, No. 333 Lujiacui Ring Road Pudong New District, Shanghai 201200  
上海市浦东新区陆家嘴环路 333 号金砖大厦 750

Identification/  
Model No(s) 样品描述/规格: MSafe KN95 Respirator  
MSafe KN95 呼吸器

Sample obtaining method  
样品获取方式: Sending by customer  
客户寄样

Sample Receiving date 收  
样日期: 2020-06-04

Testing Period 测试周期: 2020-06-04 - 2020-06-10

### Test specification 测试要求:

1. Total Lead and Cadmium  
总含铅和总含镉量
2. Polybrominated biphenyls (PBB)  
多溴联苯
3. Organotin compounds content  
有机锡化合物含量
4. NP and NPEO content - according to REACH regulation (EC) No. 1907/2006 Annex XVII Entry 46 and 46a and amendments  
壬基酚和壬基酚聚氧乙烯醚含量-根据 REACH 第 1907/2006 号法规 (EC) 附件十七第 46 条和第 46a 条及其修正案
5. Perfluorooctanoic acid (PFOA) and its salts  
全氟辛酸及其盐类
6. Phthalates content  
邻苯二甲酸酯的含量
7. Screening of substances of very high concern (SVHC) subject to authorisation, according to (EU) No 143/2011, (EU) No 125/2012, (EU) No. 348/2013, (EU) No 895/2014, (EU) No 2017/999 and (EU) No 2020/171 (Annex XIV of EC No 1907/2006) and candidate list by European Chemical Agency (ECHA), according to the EU Court of Justice rules in articles (Guidance on requirements for substances in articles, June 2017)  
依据欧盟法庭针对物品中高关注物质的判决, 法规(EU)No 143/2011, (EU) No 125/2012, (EU) No 348/2013, (EU) No 895/2014, (EU) No 2017/999 及(EU) No 2020/171 (Annex XIV of EC No 1907/2006)之授权清单及欧洲化学品管理局颁布的高度关注物质的筛选 (物品中物质限值指南, 2017年6月)。

### Test result 测试结果:

PASS  
符合  
PASS  
符合  
PASS  
符合  
PASS  
符合  
PASS  
符合  
PASS  
符合  
Please refer to page 17-18  
详情请见第 17-18 页

### Other information 其他信息:

Lot No./ Batch code: MS305  
生产批号: MS305



Products



**Test Report No.: 178140915a 001**

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第 2 页, 共 27 页

For and on behalf of  
TÜV Rheinland/CCIC(Qingdao)Co., Ltd.  
莱茵技术-商检(青岛)有限公司

2020-06-11

Alex Zhou/Senior Manager

Date 日期

Name/Position 姓名/职位

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Products



Test Report No.: 178140915a 001

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第 3 页, 共 27 页

Material List 材料清单:

Item 项目: MSafe KN95 Respirator  
MSafe KN95 呼吸器

Material No. 材料号	Material 材质	Color 颜色	Location 位置
A001	Metal 金属	-	Silver metal wire 银色金属丝
A002	Plastic 塑料	-	White plastic strip 白色塑料条
A003	Plastic + Textile 塑料 + 纺织品	-	White elastic cord 白色弹力线
A004	Fabric 纺织品	-	White outside leak proof non-woven fabric 白色外部防漏无纺布
A005	Fabric 纺织品	-	White non-woven fabric (thin) 白色无纺布 (薄)
A006	Fabric 纺织品	-	White non-woven fabric (thick) 白色无纺布 (厚)
A007	Fabric 纺织品	-	White high density filter layer 白色熔喷布层
A008	Fabric 纺织品	-	White direct contact layer 白色直接接触层

**Test Report No.: 178140915a 001**

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第 4 页, 共 27 页

## 1. Total Lead and Cadmium Content 总含铅量和总含镉量

Test method: Acid digestion, analyzed by ICP-OES  
测试方法: 酸消解, 用 ICP-OES 分析

### Test Result:

#### 测试结果:

Test No. 测试序号	Material No. 材料编号	Test Parameter 测试参数	Unit 单位	RL 报告限值	Regulatory requirement 法规要求	Test Result 测试结果	Conclusion 结论
T001	A001	Lead Content 总含铅量	mg/kg	10	500	326	Pass 符合
		Cadmium Content 总含镉量	mg/kg	10	100	< RL 小于报告限值	
T002	A002	Lead Content 总含铅量	mg/kg	10	500	< RL 小于报告限值	Pass 符合
		Cadmium Content 总含镉量	mg/kg	10	100	< RL 小于报告限值	
T003	A003 + A004 + A005	Lead Content 总含铅量	mg/kg	10	500	< RL 小于报告限值	Pass 符合
		Cadmium Content 总含镉量	mg/kg	10	100	< RL 小于报告限值	
T004	A006 + A007 + A008	Lead Content 总含铅量	mg/kg	10	500	< RL 小于报告限值	Pass 符合
		Cadmium Content 总含镉量	mg/kg	10	100	< RL 小于报告限值	

Abbreviation: < = Less than 表示小于  
简称  
RL = Reporting Limit 表示报告限值  
mg/kg = milligram per kilogram 表示毫克每千克  
1% = 10000 mg/kg 表示 10000 毫克每千克



# ISO 9001:2015 Management System Certificate

## 管理体系认证证书 MANAGEMENT SYSTEM CERTIFICATE

下述组织的质量管理体系  
The quality management system of



MANAGEMENT SYSTEM

陌安国际贸易（上海）有限公司

MSafe Global Trading Limited

注册地址：中国（上海）自由贸易试验区临港新片区环湖西二路888号C楼

经营地址：上海市浦东新区陆家嘴环路333号金砖大厦750

Registered address: Building C, No. 888 Huanhu West Second Road, Lingang New Area, China

(Shanghai) Pilot Free Trade Zone

Business address: Room 750, 7th Floor, BRICS Building, No. 333 Lujiazui Ring Road, Pudong New

District, Shanghai, China

已经过审核，并被证明符合下述要求

has been assessed and certified as meeting the requirements of

**GB/T 19001-2016/ISO 9001:2015**

所涉及的认证范围

For the following activities

口罩的销售和进出口

Import and Export of Face Masks



证书编号 Certificate No.: WER20Q0319R05

证书有效期从 valid from: 2020-05-26 至 until: 2023-05-25

本次证书有效期至 Re-certification audit due before: 2021-05-25

Authorised by



上海西优罗检测认证有限公司

Shanghai West Europe Register Testing & Certification Co., Ltd.

中国-上海 虹口区-四川北路1611号凯润商务楼1506室

电话: 021-65872931; 网址: <http://www.wertc.com>

版本号 Issue: A2

WER is Chinese  
CNCA of management  
system Certification Bodies

For information concerning  
validity of the certificate, you  
can visit the website  
[www.cnca.gov.cn](http://www.cnca.gov.cn)

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NO. 0200876	 中国物品编码中心		

GDS 中国商品信息服务平台	
6973391990004	搜索
系统中符合条件 6973391990004 的商品有:	
 商品条码: 6973391990004 名称: MSafe牌MS305型非医用KN95口罩(10片装) 规格型号: 10片 描述:	商标: MSafe 发布厂家: 陌安国际贸易(上海)有限公司 条码状态: 经查, 该商品条码已在中国物品编码中心注册, 编码信息已按规定通报。
<a href="#">关于平台</a>   <a href="#">高端服务</a>   <a href="#">中国物品编码中心</a>   <a href="#">法律声明</a>   <a href="#">服务条款</a>   <a href="#">设为首页</a> Copyright © 2008 gds.org.cn All rights reserved 中国物品编码中心 版权所有 <a href="#">京ICP备05012621号</a>	



# PACKAGING DETAILS

Our products are individually packaged to provide a refined user experience.

Packaging specifications are as followed:

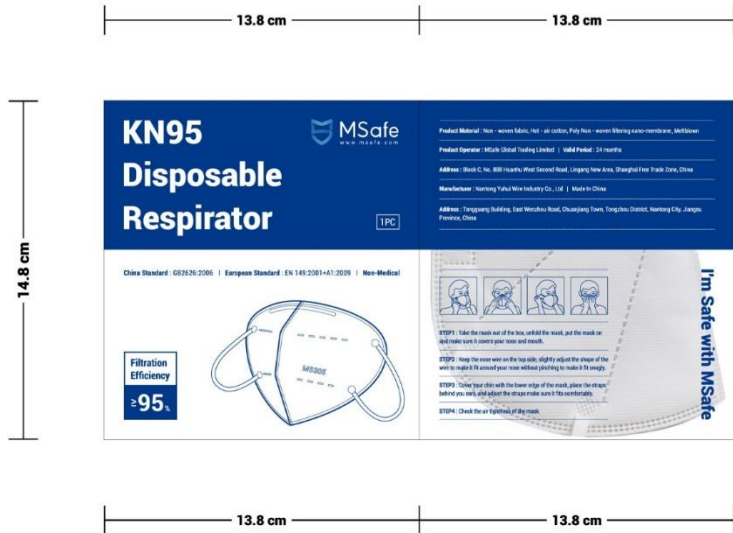
Package	PC(s)	Size
Each Product bag	1 pc/bag	12*13cm
Each Box	10 pcs/box	12.5*13.5*6cm
Each Carton	480 pcs (48 boxes)	52.5*39*29.3cm GW:5.7kg/NW:5.04kg

\* Each packaging box contains an inspection certificate

<b>检验合格证</b> <b>INSPECTION</b>	
Product Name : MSafe KN95 Disposable Respirator (Non-Medical) 产品名称 : MSafe 牌非医用 KN95 口罩	
Product Model : MS305 产品型号 : MS305	Spec : 13.8cm*14.8cm 产品规格 : 13.8cm*14.8cm
Standard : GB2626:2006 执行标准 : GB2626:2006	PCS : 10 盒装数量 : 10片
Key Materials : 30% non-woven fabric + 25% hot-air cotton + 25% melt-blown fabric + 20% filter material 主要原料 : 30% 无纺布 + 25% 热风棉 + 25% 熔喷布 + 20% 过滤材料	
P.D. : 5 / 10 / 2020 生产日期 : 2020 / 5 / 10	Batch No. : MS30520200510 生产批号 : MS30520200510
V.P. : 24 Months 有效期 : 24 个月	Inspector : 02 检验员 : 02
Product Operator : MSafe Global Trading Limited 产品运营商 : 陌安国际贸易 (上海) 有限公司	
Manufacturer : Nantong Yuhui Wire Industry Co, Ltd. 生产商名称 : 南通裕惠线业有限公司	
Address : Zone C, Chuanjiang Town Industrial Park, Tongzhou District, Nantong City, Jiangsu Province, China 生产商地址 : 江苏省南通市通州区川姜镇工业园区 C 区	



# PACKAGING DETAILS





## Latest Order Evidence to USA



MSafe as Northwell Supplier – Biggest Medical Group in New York City

[illegible]

## MSafe Inventory at Atlanta Warehouse