

1. Product Overview

Filtering facepiece respirators (FFR) are subject to various regulatory standards around the world (see examples below) and provide a much higher level of protection with face form fitting and greater pressure drop. To claim compliance with the particular standard as listed below, these respirators must meet or exceed required physical properties and performance characteristics, which can vary according to the regulatory bodies of different countries.

- N95 (United States NIOSH-42CFR84)
- KN95 (China GB2626-2006)
- FFP2 (Europe EN 149-2001)

They are not exactly the same, but they are expected to function very similarly to one another. KN95 face mask is N95 equivalent but not NIOSH approved. Our KN95 is non-sterile for general use and not for surgical use. For frontline workers, please follow the guidelines from Centers for Disease Control (CDC) and choose the correct PPE carefully to protect yourself.

A reference by 3M in a technical bulletin* released in January 2020 demonstrates that the several country-specific standards used to grade the FFR tend to converge into functional equivalence. N95 (US), KN95 (China) and FFP2 (EU) standards produce FFR devices that are similar enough to be interchangeable for the purposes of their use in a pandemic. All of them are good for filtering non-oil-based particles such as those resulting from wildfires, PM 2.5 air pollution, volcanic eruptions, or bioaerosols (e.g. viruses).

Table 1. Comparison of N95, N95 and FFP2 Filtering Facepiece Respirator Classes*

Certification/Class (Standard)	N95 (NIOSH 42CFR84)	KN95 (GB2626-2006)	FFP2 (EN 149-2001)
Filter performance – (must be \geq X% efficient)		$\geq 95\%$	$\geq 94\%$
Test agent		NaCl	NaCl and paraffin oil
Flow rate		85 L/min	95 L/min
Total inward leakage (TIL)–tested on human subjects each performing exercises	N/A	$\leq 8\%$ leakage (arithmetic mean)	$\leq 8\%$ leakage (arithmetic mean)
Inhalation resistance – max pressure drop	≤ 343 Pa	≤ 350 Pa	≤ 70 Pa (at 30L/min) ≤ 240 Pa (at 95L/min) ≤ 500 Pa (clogging)
Flow rate		85 L/min	Varied – see above
Exhalation resistance - max pressure drop		≤ 250 Pa	≤ 300 Pa
Flow rate		85 L/min	160 L/min
Exhalation valve leakage requirement	Leak rate ≤ 30 mL/min	Depressurization to 0 Pa ≥ 20 sec	N/A
Force applied	-245 Pa	-1180 Pa	N/A
CO2 clearance requirement	N/A		$\leq 1\%$

*Reference: >>[Download the 3M Technical Bulletin Here](#)<<

2. Specifications



Product Name:	KN95 Respirator Face Mask
Brand:**	YINPAI* JHY YIFAN LUBAN HENGHAO
Particle Filtration Efficiency (PFE):	$\geq 95\%$
Aerosol Type:	Non-Oil
Color:	White
Size:	Universal
Exhalation Valve:	No
Strap Attachment:	Ultrasonic welding
Adjustable Nose Clips:	Yes (Nose clips may be visible or invisible depending on the design and batch from different brands, but the qualities are the same)
Standards:	KN95 (China GB2626-2006)
Features:	<ul style="list-style-type: none">• 3D Foldable Design Particle• Filtering Efficiency (PFE) $\geq 95\%$• Elastic Ear-loop Adjustable and Invisible Nose Clip• 5-Layer Protection (high quality nonwoven fabric, hot air cotton and melt-blown fabric)• Soft Fabric and Comfortable to Wear

* ACS Material LLC is the sole distributor of YINPAI in United States.

ACS Material carries several brands to fulfill the increased demands and will ship whichever is available first. Mask design may vary from batch to batch. **This is non-medical KN95 face mask and not for surgical use. **Please note, due to the nature of this item there are no refunds, exchanges or returns.

3. Test

YINPAI KN95 Protective Mask
HEFEI YINPAI TECHNOLOGY CO., LTD.



检验报告

TEST REPORT



浙江省轻工业产品质量检验研究院
 Zhejiang Light Industrial Products Inspection and Research Institute
 国家纺织服装产品质量监督检验中心(浙江)
 National Textiles and Garment Quality Supervision Inspection Center(Zhejiang)

Zhejiang Light Industrial Products Inspection and Research Institute
 National Textiles and Garment Quality Supervision Inspection Center(Zhejiang)

Test report

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Number:W202014577E


Name of Customer	Hefei Yinpai Technology Co., Ltd.	Address	No. 7 Mengrun Road, High-tech Zone, Hefei, Anhui Province, China
Manufacturer	Hefei Yinpai Technology Co., Ltd.	Address	No. 7 Mengrun Road, High-tech Zone, Hefei, Anhui Province, China
Sample information	Name of sample: KN95 Face Mask		
	Characteristics of sample: White		
	Trademark of sample: ---		
	Specification/model: ---		
	Level: KN95		
	Category of safety specification: ---		
	Art. No.: ---		
Above-mentioned information by Customer-supplied			
The sent way of sample	Courier	Sample quantity	30 pieces
Sample	2020/05/02	Test Category	Entrusted inspection
Date of Testing	2020-05-02~2020-05-11		
Testing requirements	GB 2626-2006		
Test Summary	See the attached page for the results.		
Remarks	 Date of Report: 2020.5.12		
Approved by:			

Test report

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ITEM	STANDARD (KN95)	RESULT	RATING
1. FILTER EFFICIENCY(MEDIUM) (GB 2626-2006.6.30%)			
	≥95.0	96.6	PASS
2. RESPIRATORY RESISTANCE (GB 2626-2006.6.5 & 6.6)(Pa)			
INSPIRATORY RESISTANCE	≤350	121	PASS
EXPIRATORY RESISTANCE	≤250	107	PASS

Picture(s) of sample



DECLARATION

- Our organization guarantees the impartiality, independence and honesty of inspection, and is responsible for the results of inspection, keeping the sample available for the reviewing party confidential and at the same time protecting the ownership of the samples supplied.
- The test report will be issued without the signature of the inspector/reviewer and authorized personnel, and the red special inspection stamp of our organization.
- The test report will be invalid if it is altered. Copies of the report are invalid without the red special inspection stamp of our organization.
- The test methods in this report are applicable only to the samples provided by customer.
- All the pages of the report are integral parts of the report. Our organization will not be responsible for any misunderstanding or other results caused by using separate page(s) of the report.
- If the customer chooses to adjust the reviewing party shall notify our organization timely. For the mandatory inspection given by government administrative departments, and dissent about the sample being tested or test results on the report should be dealt with in accordance with national regulations.

浙江省轻工业产品质量检验研究院及附设的检验中心
The Affiliated Inspection Centers

浙江省轻工业产品质量检验研究院 Zhejiang Light Industrial Products Inspection and Research Institute 国家纺织服装产品质量监督检验中心(浙江) National Textiles and Garment Quality Supervision Inspection Center(Zhejiang) 地址: 浙江杭州滨江区长河路300号4号楼 Address: Building No.4, 300 Xuehu Road, Hangzhou, Zhejiang	联系电话: 0571-85122669 Telephone: 0571-85122669 E-Mail: 117907994@qq.com
国家家具产品质量监督检验中心(浙江) National Center for Quality Supervision Inspection of Furniture(Zhejiang) 浙江省家具产品质量监督检验中心 Zhejiang Center of Quality Test for Indoor Safety and Furniture Products 地址: 浙江杭州余杭区良渚街道一园1号良渚大学科技园3号楼 Address: Building 3, Liangzhu University Science and Technology Park, No.1, Liangzhu Rd., Yuhang District, Hangzhou, Zhejiang	联系电话: 0571-89009546 Telephone: 0571-89009546 E-Mail: 204769564@qq.com
浙江省轻工及五金产品质量检验中心 Zhejiang Center of Quality Test for Light Industry and Hardware Products 浙江省五金产品质量检验中心 Zhejiang Center of Quality Test for Sports Products 地址: 浙江杭州余杭区良渚街道一园1号良渚大学科技园3号楼 Address: No.222 Tianshehu Rd., Hangzhou, Zhejiang Building 3, Liangzhu University Science and Technology Park, No.1, Liangzhu Rd., Yuhang District, Hangzhou, Zhejiang	联系电话: 0571-89001107 Telephone: 0571-89001107 E-Mail: wqjtee@126.com
国家锁具产品质量监督检验中心(浙江) National Center for Quality Supervision Inspection of Lock(Zhejiang) 浙江省锁具产品质量监督检验中心 Zhejiang Center of Quality Test for Lock Products 地址: 浙江杭州余杭区良渚街道一园1号良渚大学科技园3号楼 Address: No.24 Tangmao Rd., Hangzhou, Zhejiang	联系电话: 0571-85027738 Telephone: 0571-85027738 E-Mail: Locktee@126.com

网上业务受理平台: <http://www.zjzti.com>
 Online Business Reception Report Inquiries: <http://www.zjzti.com>

投诉电话: 0571-85023532
 Complaint Tel: 0571-85023532

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www.fztzti.com:809/PDF/1919b6fa-a898-4c7a-84b5-5f613b0fc933.pdf

HENGHAO KN95 Protective Mask
YIWU HENGHAO HOUSEHOLD PRODUCTS CO., LTD.



检验报告

TEST REPORT




扫一扫关注我们 扫一扫查询真伪

报告编号
REPORT NO. 国纺委字第 Y1202004658 号

产品名称
NAME OF SAMPLE kn95 防护口罩

委托单位
CUSTOMER 义乌市恒豪家居用品有限公司

检验类别
TEST CATEGORY 委托检验

浙江省轻工业产品质量检验研究院
(浙江省纺织测试研究院)
Zhejiang Light Industrial Products Inspection and Research Institute
National Textiles and Garment Quality Supervision Inspection Center (Zhejiang)

浙江省轻工业产品质量检验研究院
国家纺织服装产品质量监督检验中心(浙江)
检验报告

国纺委字第 Y1202004658 号 第 1 页 共 3 页

委托单位名称 Name of Customer	义乌市恒豪家居用品有限公司		地址 Address	---	
生产单位 Manufacturer	---		地址 Address	---	
样品信息 Sample Information	样品名称 Name of sample: kn95 防护口罩 样品特性 Characteristics: 白色 商标 Trademark: --- 规格/型号 Specification/model: --- 等级 Level: --- 安全技术类别 Category of safety specifications: --- 样品款号/货号 Art. No.: ---				
以上为客户信息 (Above mentioned information by Customer-supplied)					
委托方式 The sent way of sample	快递	样品数量 Sample quantity	2 包		
送检日期 Receiving Date of Sample	2020-03-22		检测类别 Test Category	委托检验	
判定依据 Standard/requirements	GB 2626-2006				
检测结论/Test Summary:	实测结果详见附表。				
备注 Remarks	1、样品未作预检验。 2、随件不附带不干胶连接和连接材料。				
签发: Approved by:	 批准日期: 2020-03-26				

检验报告

国纺委字第 Y1202004658 号 第 2 页 共 3 页

序号	检测项目	检测方法	单位	标准要求 (GB95)	实测值	单项评价	结果备注
1	吸气阻力	GB 2626-2006 6.5	Pa	≤250	80	符合	
	呼气阻力	6.6	Pa	≤250	16		
2	过滤效率 (油性介质)	GB 2626-2006 6.3	%	≥95.0	99.7	符合	
3	头带	GB 2626-2006 6.11	---	≥10% 肩带 10% 带	未出现断裂和滑脱现象	符合	

检验报告

国纺委字第 Y1202004658 号 第 3 页 共 3 页

样品照片



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SCAN THE ORIGINAL TEST REPORT TO CHECK AUTHENTICITY

Scan here for the original test report



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扫一扫查询真伪



<http://www.fztjt.com:809/PDF/33af2b5a-d516-4ea0-90fc-ad96c1a61e8a.pdf>

Important Notes:

1. Non-Sterile; Non-Medical; This is not a surgical mask.
2. Not suitable for harmful gases and steam.
3. Not suitable for hypoxic environments, underwater operations or firefighting.
4. Not for children. Adult use only.
5. Design and packaging may vary from batch to batch.

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