



Technical Data Sheet

KN95 Respirator Face Mask

Contact Information:

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Revision: 052020

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)	$\geq 95\%$	$\geq 95\%$	$\geq 94\%$
Test agent	NaCl	NaCl	NaCl and paraffin oil
Flow rate	85 L/min	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	85 L/min	Varied – see above
Exhalation resistance - max pressure drop	≤ 245 Pa	≤ 250 Pa	≤ 300 Pa
Flow rate	85 L/min	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	$\leq 1\%$	$\leq 1\%$

*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):	≥ 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) ≥ 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 Reports

YINPAI KN95 Protective Mask

HEFEI YINPAI TECHNOLOGY CO., LTD.

18001112242 (2019)第01019134号

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检验报告

TEST REPORT

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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

Number:W202014577E page1/2

Name of Customer	Hebei Yinpai Technology Co., Ltd.	Address	No. 7 Hongqian Road, High-tech Zone, Hefei, Anhui Province, China
Manufacturer	Hebei Yinpai Technology Co., Ltd.	Address	No. 7 Hongqian 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
Receiving Date of 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: 2020-05-12		

Approved by: [Signature]

Test report

Number:W202014577E page2/2

ITEM	STANDARD (KN95)	RESULT	RATING
1. FILTER EFFICIENCY(LAST MEDIUM) (GB 2626-2006.6.30%)	≥95.0	96.6	PASS
2. RESPIRATORY RESISTANCE (GB 2626-2006.6.5 & 6.60Pa)	≤350	121	PASS
EXPIRATORY RESISTANCE	≤250	807	PASS

Picture(s) of sample

—End of report—

DECLARATION

- Our organization guarantees impartiality, independence and honesty of inspection, and is responsible for the results of inspection, keeping the sample supplied by the entrusting party confidential and at the same time protecting the ownership of the sample supplied.
- The test report will be deemed invalid without signatures 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 shared. Copies of the report are invalid without the red special inspection stamp of our organization.
- The test results shown in this report are applicable only to the samples provided by customers.
- 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 there is any dispute of the report, the entrusting party shall notify our organization timely. For the mandatory inspection given by governmental administration 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: 浙江省杭州市江干区下沙路 500 号 6 号楼
Address: Building No.6, 300 XiaSha Road, Hangzhou, Zhejiang

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)
浙江省内家具安全家具产品质量检验中心
Zhejiang Center of Quality Test for Indoor Safety and Furniture Products
地址: 浙江省绍兴市越城区袍江街道一桥 1 号 杭州大学科技园 4 号楼
Address: Building 4 Longshan University Science and Technology Park, No.1, JiaoYi Rd., Yuhang District, Hangzhou, Zhejiang

浙江省轻工五金产品质量检验中心
Zhejiang Center of Quality Test for Light Industry and Hardware Products
浙江省体育用品质量监督检验中心
Zhejiang Center of Quality Test for Sports Products
地址: 浙江省绍兴市越城区上虞区上虞路 222 号 3 号楼
浙江省绍兴市公共家具产品质量检验中心
Zhejiang Center of Quality Test for Public Furniture Products
地址: 浙江省绍兴市越城区上虞区上虞路 222 号 3 号楼
Address: No.24 Tangmiao Rd., Shangyu, Zhejiang

国家锁具产品质量监督检验中心(浙江)
National Center for Quality Supervision Inspection of Locks(Zhejiang)
浙江省锁具产品质量检验中心
Zhejiang Center of Quality Test for Lock Products
地址: 浙江省绍兴市越城区上虞区上虞路 24 号
Address: No.24 Tangmiao Rd., Shangyu, Zhejiang

网上业务受理系统: <http://www.zjti.cn>
Online Business-Receipts Report Inquire: <http://www.zjti.cn>

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E-Mail: wqjw@126.com

联系电话: 0571-85027738
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E-Mail: Locktest@126.com

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

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W202014577E

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HENGHAO KN95 Protective Mask

YIWU HENGHAO HOUSEHOLD PRODUCTS CO., LTD.



检 验 报 告

TEST REPORT




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报告编号
REPORT NO.

产品名称
NAME OF SAMPLE

委托单位
CUSTOMER

检验类别
TEST CATEGORY

国纺委字第 Y1202004658 号

kn95 防护口罩

义乌市恒豪家居用品有限公司

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
 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)

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.: —			
以上为客供信息 (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	检测类型 Test Category	委托检验	
判定依据 Receiving documents	GB 2626-2006			
检测结论/Test Summary:	实测结果详见附表。			
备 注 Remarks	1. 样品未经预处理。 2. 随穿式面罩不考核连接和连接部件。			

批准日期/Date of Approval: 2020-03-26


签 发: 张 岩 岩
Approved by

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	呼气阻力	GB 2626-2006 6.5	Pa	≤250	80	符合	—
	吸气阻力	6.6	Pa	≤250	76	符合	
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	—	≥10N, 保持 10s, 未出现断裂和滑脱现象	符合	符合	—

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

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样品照片



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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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