

Technical Data Sheet

KN95 Respirator Face Mask

Contact Information:

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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).

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

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

*Reference: >><u>Download the 3M Technical Bulletin Here</u><<

2. Specifications



Product Name: Brand:**	KN95 Respirator Face Mask		
Particle Filtration Efficiency	YINPAI* JHY YIFAN LUBAN HENGHAO ≥ 95%		
(PFE):	<u>~ 9570</u>		
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:	• 3D Foldable Design Particle		
	• Filtering Efficiency (PFE) $\ge 95\%$		
	• 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

HEFEI YINPAI TECHNOLOGY CO., LTD.

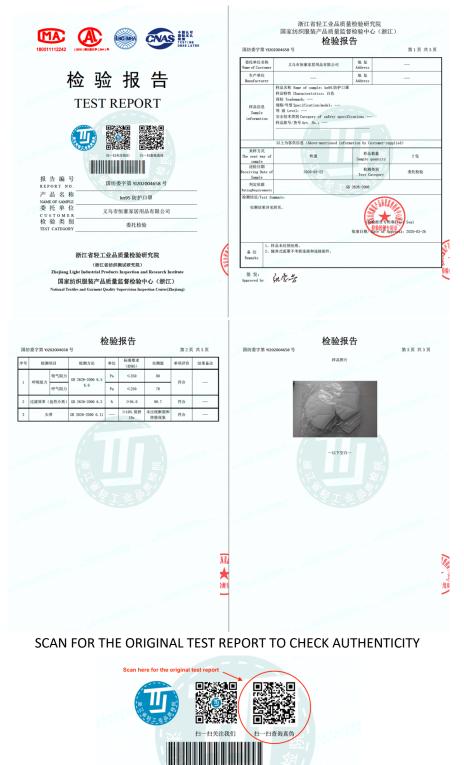


SCAN FOR THE ORIGINAL TEST REPORT TO CHECK AUTHENTICITY



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

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



http://www.fzttj.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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