

EU Declaration of Conformity

We, **Guangzhou Powecom Labor Insurance Supplies Co.,Ltd**, whose address at **Powecom Industrial Park, No. 43, Tuan Jie Road, Xin Ya Street, Hua Du District Guangzhou, Guangdong, China**

declare under our sole responsibility that the product

Name/Trademark Powecom

Model/Type KN95 face mask

Accessories None

comply with the following directives and regulations:

- R 2016/425(Personal Protective Equipment)(CE directive)
- EN 149:2001+A1:2009(standard)

For the evaluation of the compliance with these Directives and Regulations, the following standards/requirements were applied:

Standard	EN 149: 2001+A1:2009
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We, as the manufacturer, declare that our KN95 face mask products all comply with the standards and directives specified above.

Responsible for making this declaration is the:

Manufacturer Authorized representative established within the EU

Person responsible for making this declaration

Signature name/Title: _____

Guangzhou China
(Place)

2020.4.15
(Date)



(Signature)

Appendix A: Authorized Respirators

Updated: April 17, 2020

The Authorized Respirators

Authorized respirators should be used in accordance with CDC's recommendations. For the most current CDC recommendations on optimizing respirator use, please visit [CDC's webpage: Strategies for Optimizing the Supply of N95 Respirators](#).

Authorized Imported, Non-NIOSH Approved Respirators Manufactured in China

Manufacturer	Respirator Model(s)	Country of Manufacture
3M	9001, 9002, 9501, 9501+, 9501V+, 9502, 9502+, 9502V+, 9505+, 9541, 9541V, 9542, 9542V, 9552, 9552V	China
AAB (China) Co., Ltd.	KN95	China
Allmed	KN95 Particulate Respirator LP220002	China
Anhui Zhongke Duling Commercial Appliance Co., Ltd	Mether M-9501 EN149:2001 FFP2	China
Anshun Health and Medical Technology Co., LTD	AKF2002	China
AOK Tooling Ltd. (aka Shenzhonghai Medical)	20130040, 20130045A, 20180021, 20130038, 20190019	China
Bei Bei Safety Co Ltd.	B702, B702V, B704, B704V	China

Bei Bei (Dong Shan) Protective Supplies Co., LTD	B707	China
BYD Precision Manufacture Co. Ltd.	BYD KN95 Particulate Respirator (Model Number: DG3101)	China
Changsha JNEYL Medical Equipment Co., Ltd	JN-9501	China
Changzhou Wedream Medical Device Co., Ltd	KN95	China
Chengde Technology Co.	KN95 (PM 2.5) Protective Mask	China
China Nano Technology Co., Ltd	ZN6005 ZN8005	China
Chongqing China Nano Technology Co., Ltd.	KN95 ZN6005	China
Chongqing Zaisheng Technology Co., Ltd.	ZS-A950	China
Chuzhou Qiao Dong Industrial Co., Ltd	Langie KN95 FFP2	China
Creative Concepts Manufacturing Ltd	02669, 02676, KN95	China
CTT CO. Ltd.	KN95	China
Daddybaby Co. Ltd.	KN95 FFP2	China

Dongguan Arun Industrial Co., LTD	KN95 N9	China
DongGuan HuaGang Communication Technology Co., Ltd	KN95-A; KN95-B	China
Dongguan Leihuo Medical Device Co., LTD	CPFM-100, CPFM-101, LH-KN95	China
Dongguan Sengtor Plastics Products Co., Ltd.	KN95	China
Dongguan Xianda Medical Equipment Co., Ltd	KN95	China
Foshan Nanhai Weijian Sanbang Protective Equipment Technology Co., Ltd	KN95 Model 9051A	China
Fujian Kang Chen Daily Necessities Co, Ltd.	K0450, 57793	China
Fujian Pageone Garment Co., Ltd	KN95	China
Fujian Yongtai Sanlian Garment Co., Ltd.	N95	China
Guangdong Fei Fan MStar Technology Ltd.	KN95	China

Guangdong Golden Leaves Technology Development Co., Ltd.	8862 KN95	China
Guangzhou Aiyinmei Co., LTD	A&F KN95	China
Guangzhou Harley Commodity Company Limited	L-103V KN95	China
Guangzhou Improve Medical Instruments Co., LTD	PPDS N95 Respirator and Surgical Mask Model No. PPDS Ear Hook M	China
Guangzhou Nan Qi Xing Nonwoven Co. Ltd	KN95	China
Guangdong Nuokang Medical Technology Co., Ltd.	KN95	China
Guangzhou Powecom Labor Insurance Supplies Co., LTD	KN95	China
Guangzhou Sunjoy Auto Supplies Co., LTD	Earhook folding type K1-K100 Headband folding type K1-K100	China
Guangdong Kaper Protection Technology Co., Ltd	KP-K02 (N95)	China

Guangdong ZhiZhen Biological Medicine Co., LTD	KN95	China
Guangzhou Yihere Medical Technology Development Co., Ltd.	YH-MFK-B95, YH-MFK-Z95	China
Guizhou Bocai Medical Device Co., Ltd.	Bocai KN95	China
HeiQ Materials AG	HVB-FFP2-01	China
Henan Fengzhihuang Industrial Co., Ltd	HF/KN95-3	China
Henan Youmais Health Technology Co. LTD	YMS-AN95	China
Huizhou Green Communication Equipment Manufacturing Co., Ltd	G95200	China
Huizhou Huinuo Technology Co., LTD	HV-N White 9501A, HV-N White 9501B	China
Huizhou Jiahe Cubic Technology Co., LTD	KN95	China
Huizhou Lexuslance Technology Co. Ltd	LK-003	China

Improve Medical (Hunan) Co. Ltd.	PPDS Strap Headband M PPDS Ear Hook M	China
Jiangsu Weichuangli New Materials Co., Ltd.	WCL-0075	China
Jiangsu Yimao Filter Media Co., Ltd	9570K	China
Jiangxi Hornet Industrial Co. Ltd.	S-KN95	China
Jiangxi Yifengyuan Biological Engineering Co., Ltd.	N95, KN95	China
Jinhua Jiadaifu Medical Supplies Co. Ltd	KN95 FFP2	China
Jinan Vhold Co., LTD	VH-95	China
Juntech (Jiaxing) Healthcare Materials Co. Ltd	KN95	China
Lanshan Shendun Technology Co.	SD-KN95-01, SD-KN95-02, SD-KN95-C01, SDKN95-C02	China
Panzhuhua Gangcheng Group Yasheng Industrial Co., Ltd.	KN95	China
Qingdao Orphila Medical	OM-KN95-FFP2	China

Technology Co. LTD.		
Qingyuan Leite Technology Development Co.	GV-0095A, GVHKN95	China
Raxwell Industrial Technology (Shanghai) Co., Ltd.	RX9501	China
Rizhao Sanqi Medical & Health Articles Co., Ltd	RIZ100CVb, 3Q KN95, 3Q FFP2 NR, RIZQ100Sb, 3Q KN95 9505	China
Shandong Daddy's Choice Health Science and Technology Co., Ltd	Purism KN95	China
Shandong Huishoutang Pharmaceutical Co	KN95	China
Shandong Shengquan New Material Co., Ltd	SNN70370B (Willow leaf form valveless)	China
Shanghai Dasheng Health Products Manufacture Company, Ltd.	DTC3X-1, DTC3X-2, DTC3X-3, DTC3B-1	China
Shanghai Yunqing Industrial Co.,Ltd.	YQD95 KN95	China
Shauguan Taijie Protection	KN95	China

Technology Co. Ltd.		
Shenzhen Horb Technology Corp., Ltd	1.7.02.02.0001	China
Shenzhen Missadola Technology Co., Ltd, dba 1AK Medical Supplies	2626-1 KN95	China
Sunright Medical Technology (GuangDong) Co., LTD	KN95-C3	China
Suzhou Bolisi Medical Technology Co., Ltd	BS-9501L, BS-9501FL, BS-9502C, BS-9502FC	China
Suzhou Sanical Protective Product Manufacturing Co., Ltd	Model 8015, Model 9015	China
Tianjin Benmo Medical Equipment Co., Ltd.	KN95	China
Weini Technology Development Co., Ltd	FFP2 NR E-300, FFP2 NR E-680, FFP2 NR 952, FFP2 NR F-820, KN95 958, KN95 951	China
Winner Medical Co. Ltd.	WN-N95FW, WN-N95FG, WN-N95FGIN	China
Yiwu Henghao household products Co., Ltd	HH-KN95-001	China

Yiwu Yifan Knitting Co. Ltd	KN95	China
Zhangzhou Easepal Industrial Corp.	MASK-104	China
Zhejiang Baiyi Intelligent Garment Co LTD	KN95	China
Zhejiang Shengtai Baby Products Co Ltd	KN95	China
Zhende Medical Co., LTD	N9501F	China
Zhengzhou QBS New Material Co., LTD	KN95	China
Zhengzhou Ripe Medical Technology Co., LTD	Disposable Protective Mask KN95	China
Zhengzhou Ruipu Medical Technology Co.,Ltd	KN95	China
Zhengzhou Wanshenshan Healthcare PPE Co., Ltd.	KN95	China
ZhongKang protective equipment technology (Guangzhou) Co., Ltd	ZK601	China

Comparison of FFP2, KN95, and N95 and Other Filtering Facepiece Respirator Classes

Description

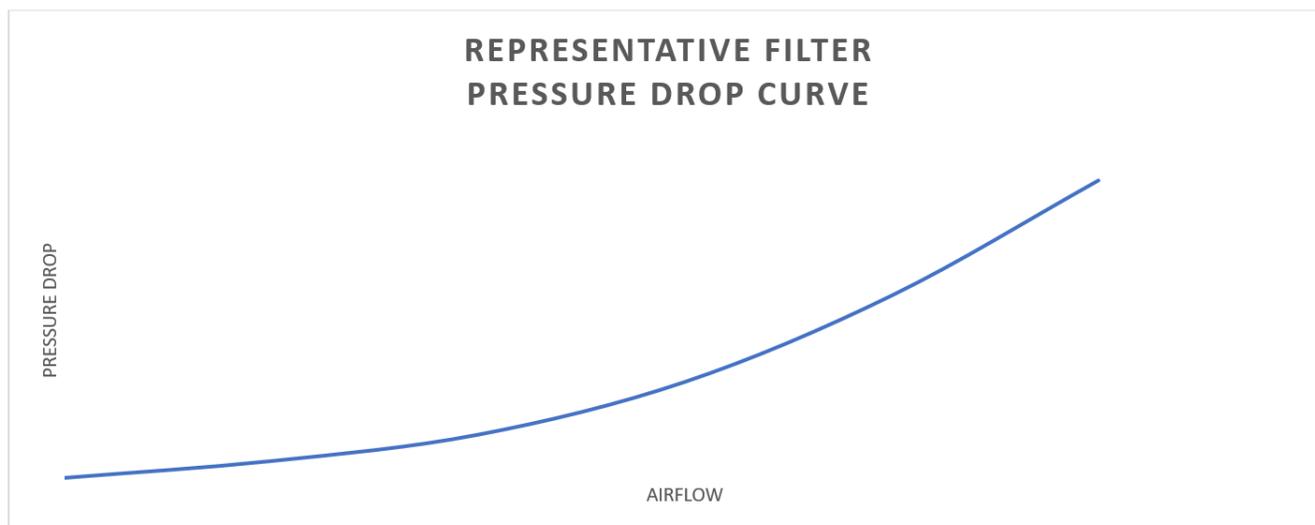
Filtering facepiece respirators (FFR), which are sometimes called disposable respirators, are subject to various regulatory standards around the world. These standards specify certain required physical properties and performance characteristics in order for respirators to claim compliance with the particular standard. During pandemic or emergency situations, health authorities often reference these standards when making respirator recommendations, stating, for example, that certain populations should use an “N95, FFP2, or equivalent” respirator.

This document is only intended to help clarify some key similarities between such references, specifically to the following FFR performance standards:

- N95 (United States NIOSH-42CFR84)
- FFP2 (Europe EN 149-2001)
- KN95 (China GB2626-2006)
- P2 (Australia/New Zealand AS/NZA 1716:2012)
- Korea 1st class (Korea KMOEL - 2017-64)
- DS (Japan JMHLW-Notification 214, 2018)

As shown in the following summary table, respirators certified as meeting these standards can be expected to function very similarly to one another, based on the performance requirements stated in the standards and confirmed during conformity testing.

One notable comparison point is the flow rates specified by these standards for the inhalation and exhalation resistance tests. Inhalation resistance testing flow rates range from 40 to 160L/min. Exhalation resistance testing flow rates range from 30 to 95 L/min. Some countries require testing to be performed at multiple flow rates, others at only the high or low end of those ranges. Although this appears to suggest that the standards’ requirements for breathing resistance (also called “pressure drop”) differ from each other, it’s important to understand that pressure drop across any filter will naturally be higher at higher flow rates and lower at lower flow rates. Given typical pressure curves for respirator filters, the standards’ various pressure drop requirements are actually quite similar. This chart shows a representative filter pressure drop curve. If one filter is tested at a high flow rate, the pressure drop performance will be relatively high. If that same filter is tested at a low flow rate, the pressure drop performance will be relatively low.



3M Personal Safety Division

Based on this comparison, it is reasonable to consider China KN95, AS/NZ P2, Korea 1st Class, and Japan DS FFRs as “equivalent” to US NIOSH N95 and European FFP2 respirators, for filtering non-oil-based particles such as those resulting from wildfires, PM 2.5 air pollution, volcanic eruptions, or bioaerosols (e.g. viruses). However, prior to selecting a respirator, users should consult their local respiratory protection regulations and requirements or check with their local public health authorities for selection guidance.

Certification/ Class (Standard)	N95 (NIOSH-42C FR84)	FFP2 (EN 149-2001)	KN95 (GB2626-20 06)	P2 (AS/NZ 1716:2012)	Korea 1st Class (KMOEL - 2017-64)	DS (Japan JMHLW- Notification 214, 2018)
Filter performance – (must be ≥ X% efficient)	≥ 95%	≥ 94%	≥ 95%	≥ 94%	≥ 94%	≥ 95%
Test agent	NaCl	NaCl and paraffin oil	NaCl	NaCl	NaCl and paraffin oil	NaCl
Flow rate	85 L/min	95 L/min	85 L/min	95 L/min	95 L/min	85 L/min
Total inward leakage (TIL)* – tested on human subjects each performing exercises	N/A	≤ 8% leakage (arithmetic mean)	≤ 8% leakage (arithmetic mean)	≤ 8% leakage (individual and arithmetic mean)	≤ 8% leakage (arithmetic mean)	Inward Leakage measured and included in User Instructions
Inhalation resistance – max pressure drop	≤ 343 Pa	≤ 70 Pa (at 30 L/min) ≤ 240 Pa (at 95 L/min) ≤ 500 Pa (clogging)	≤ 350 Pa	≤ 70 Pa (at 30 L/min) ≤ 240 Pa (at 95 L/min)	≤ 70 Pa (at 30 L/min) ≤ 240 Pa (at 95 L/min)	≤ 70 Pa (w/valve) ≤ 50 Pa (no valve)
Flow rate	85 L/min	Varied – see above	85 L/min	Varied – see above	Varied – see above	40 L/min
Exhalation resistance - max pressure drop	≤ 245 Pa	≤ 300 Pa	≤ 250 Pa	≤ 120 Pa	≤ 300 Pa	≤ 70 Pa (w/valve) ≤ 50 Pa (no valve)
Flow rate	85 L/min	160 L/min	85 L/min	85 L/min	160 L/min	40 L/min
Exhalation valve leakage requirement	Leak rate ≤ 30 mL/min	N/A	Depressurization to 0 Pa ≥ 20 sec	Leak rate ≤ 30 mL/min	visual inspection after 300 L /min for 30 sec	Depressurization to 0 Pa ≥ 15 sec
Force applied	-245 Pa	N/A	-1180 Pa	-250 Pa	N/A	-1,470 Pa
CO ₂ clearance requirement	N/A	≤ 1%	≤ 1%	≤ 1%	≤ 1%	≤ 1%

*Japan JMHLW-Notification 214 requires an Inward Leakage test rather than a TIL test.

Definitions

Filter performance – the filter is evaluated to measure the reduction in concentrations of specific aerosols in air that passes through the filter.

Test agent - the aerosol that is generated during the filter performance test.

Total inward leakage (TIL) – the amount of a specific aerosol that enters the tested respirator facepiece via both filter penetration and facesal leakage, while a wearer performs a series of exercises in a test chamber.

Inward leakage (IL)– the amount of a specific aerosol that enters the tested respirator facepiece, while a wearer performs a normal breathing for 3 minutes in a test chamber. The test aerosol size (count median diameter) is about 0.5 micro meter.

Pressure drop – the resistance air is subjected to as it moves through a medium, such as a respirator filter.

IMPORTANT: Always read and follow respirator user instructions.