

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Dongguan HuaGang Communication Technology Co., Ltd.

Model Tested: KN95-A

Date Tested: June 25, 2020

These findings pertain to the Dongguan HuaGang Communication Technology Co., Ltd., model KN95-A. The packaging for this product indicates that it meets GB2626-2006 (the Chinese standard for Respiratory Protective Equipment – Non-Powered Air-Purifying Particle Respirator) and EN149:2001+A1:2009 (the European standard for Respiratory Protective Devices – Filtering Half Masks to Protect Against Particles – Requirements, Testing, Marking).

Ten respirators were submitted for evaluation. The samples were tested using a modified version of NIOSH Standard Test Procedure (STP) TEB-APR-STP-0059. This modified assessment plan can be found [here](#).

No certificate of approval was provided with the samples received; therefore, the authenticity of the claims cannot be validated.

The maximum and minimum filter efficiency was 43.10% and 33.30%, respectively. All ten respirators measured less than 95%.

While the above-listed product classification has similar performance requirements to NIOSH-approved devices, NIOSH does not have knowledge about the sustained manufacturer quality system and product quality control for these products. NIOSH also does not have knowledge about the product's handling and exposures after leaving its manufacturer's control.

In addition, this product is an ear loop design. Currently, there are no NIOSH-approved products with ear loops; NIOSH-approved N95s have head bands. Furthermore, limited assessment of ear loop designs, indicate difficulty achieving a proper fit. While filter efficiency shows how well the filter media performs, users must ensure a proper fit is achieved.

This assessment is not a part of the NIOSH respirator approval process and will in no way lead to or preclude NIOSH approval through the official approval process. This assessment was developed as an assessment of the filter efficiency for those respirator's represented as certified by an international certification authority, other than NIOSH, to support the availability of respiratory protection to US healthcare workers due to the respirator shortage associated with COVID-19. Only particulate filter efficiency was assessed.

The results provided in this letter are specific to the subset of samples that were provided to NPPTL for evaluation.

These results will be used to update the CDC guidance for [Crisis Capacity Strategies \(during known shortages\)](#).

Evaluation of International Respirators

Test: Modified TEB-APR-STP-0059

Date Tested: June 25, 2020

Report Prepared: June 25, 2020

Manufacturer: Dongguan HuaGang Communication Technology Co., Ltd.

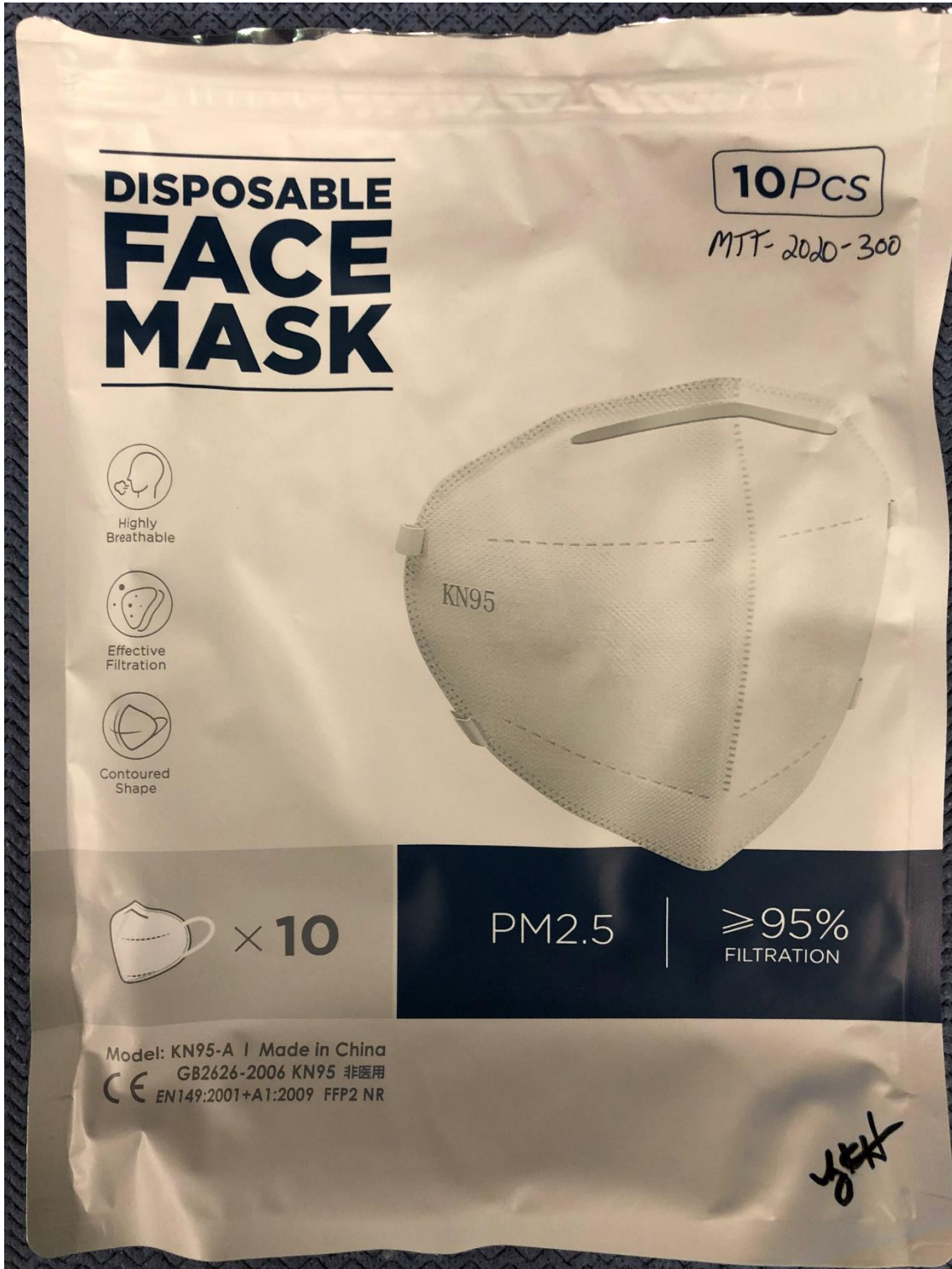
Item Tested: KN95-A

Country of Certification: China (GB2626-2006, EN149:2001+A1:2009)

Pictures have been added to the end of this report.

Filter	Flow Rate (LPM)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
1	85	6.6	64.60	64.60	35.40
2	85	8.8	56.90	56.90	43.10
3	85	5.6	61.05	61.05	38.95
4	85	6.4	66.70	66.70	33.30
5	85	6.2	63.70	63.70	36.30
6	85	5.9	59.87	59.87	40.13
7	85	6.1	65.50	65.50	34.50
8	85	6.6	61.80	61.80	38.20
9	85	5.8	62.12	62.12	37.88
10	85	6.4	60.95	60.95	39.05
Minimum Filter Efficiency: 33.30			Maximum Filter Efficiency: 43.10		

- The test method utilized in this assessment is not the NIOSH standard test procedure that is used for certification of respirators. Respirators assessed to this modified test plan do not meet the requirements of STP-0059, and therefore cannot be considered equivalent to N95 respirators that were tested to STP-0059.
- Respirators tested may not be representative of all respirators with the same certification mark. NIOSH has no control over suppliers and distributors of respirators certified by other national or international parties.
- This assessment is not a confirmation that it conforms with any or all of its specifications in accordance with its certification mark.
- This assessment was not a part of the NIOSH approval program. These results do not imply nor preclude a future approval through the NIOSH respirator approval program.



Thank you for choosing our face masks.



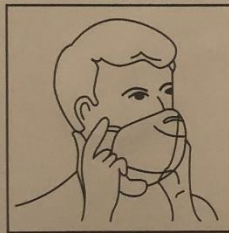
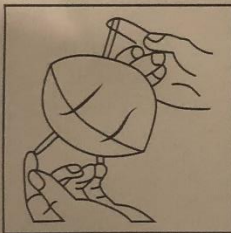
Thank you for choosing our face masks. They are designed to keep you and your family safe from dust, haze, droplets, etc. Lab tested and clinically proven in lowering the chance of exposure to airborne infections.

Product Description

- Efficient Filtration: Filters at least 95% of dust, haze, droplets, and other particles.
- Multi-Layer Filters: Uses melt-blown nonwoven material of a moderate thickness for optimal particle absorption. The electrostatic filter is highly efficient at filtering particles.
- Breathe with Ease: Nonwoven fabric allows for comfortable breathing.
- Ergonomic Design: Comfortable to wear, and using a low impedance filter material with no odor.
- Securely Sealed: Adjustable metal strip ensures optimal sealing between the bridge of the nose and the mask.

Instructions

1. Unfold the mask and pull the bands outward on each end.
2. Position the mask on your face with the adjustable metal strip facing up.
3. Place the bands around both ears.
4. Press down lightly on the metal strip to ensure the mask is securely sealed.



Warning

- DO NOT use the mask in medical and surgical environments.
- DO NOT use the mask in an environment where the oxygen concentration is below 19.5%.
- DO NOT use the mask if you have a beard or other facial hair that has direct contact between your face and the edge of the mask.
- DO NOT use the mask in an environment of toxic gas.

Note:

This mask does not completely eliminate the risk of all diseases and infections. The mask must be sealed properly in order to be effective, misuse can result in a higher risk of contracting illness. For adult use only.

Store in a dry area at room temperature and do not wash the mask with water.



Dongguan Huagang
Communication Technology Co., Ltd.
No.78 Jinhe Road, Jinmei Village, Changping Town,
Dongguan City, Guangdong, China

MFD: 042020
EXP: 042023
LOT: 04012020

Handwritten signature or mark.

10 pack 合格证

QUALIFIED CERTIFICATE

产品名称: 一次性防护口罩 (非医用)
Product Name: Disposable Face Mask (non-medical)

型号(Model): KN95-A

产品规格: 105 x 165mm (成人用)
Specifications: 105 x 165mm (for adult use)

主要成分: 82.5% 无纺布 +17.5% 熔喷布
Main Material: 82.5% Non-woven fabric,
17.5% melt-blown fabric

执行标准: GB2626-2006
Executive Standard: GB2626-2006

生产日期: 042020
Production Date: 042020

生产批次: 04012020
LOT: 04012020

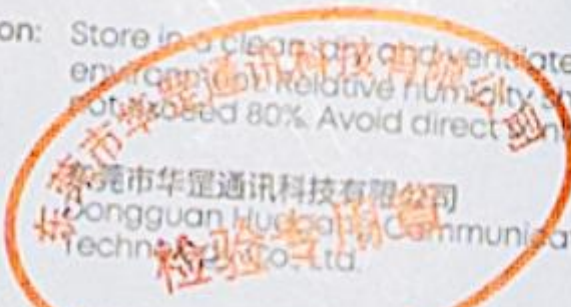
产品有效期: 3年
Shelf Life: 3 years

存储条件: 相对湿度不超过80%，避光干燥的室内环境下

Storage Instruction: Store in a clean, dry and ventilated environment. Relative humidity should not exceed 80%. Avoid direct sunlight.

生产商: 东莞市华冠通讯科技有限公司
Manufacturer: Dongguan Huacrown Communication Technology Co., Ltd.

生产地址: 广东省东莞市常平镇金美河路二路78号
Manufacturer Address: No.78 Jinhe Road, Jinmei Village, Changping Town, Dongguan City, Guangdong, China



10 pack

非医用口罩声明

此有东莞市华盟通讯科技有限公司生产的一次性防护口罩为非医用标准的非医用口罩。请以相应标准进口和销售并在相应标准下使用此产品。

产品名称:一次性防护口罩

型号:KN95-A

规格:105×165mm (成人用)

标准:GB26262006KN95/FFP2 NR EN 149:2001+A1:2009

非医用

生产厂家:东莞市华盟通讯科技有限公司

Non-Medical Mask Declaration

Here we at, Huagang Communication Technology Co., Ltd. have manufactured the following specified non-medical face mask product KN95-A under its corresponding regulations and standards.

Product Name: Disposable Face Mask

Model # KN95-A

Specifications: 105 x 165mm (Adult use only)

Standards: GB2626-2006 KN95/FFP2 NR EN 149: 2001+A1: 2009

NON-MEDICAL

Dongguan Huagang Communication Technology Co, Ltd

非医用口罩声明

此有东莞市华盟通讯科技有限公司生产的一次性防护口罩为非医用标准的非医用口罩。请以相应标准进口和销售并在相应标准下使用此产品。

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型号:KN95-A

规格:105×165mm (成人用)

标准:GB26262006KN95/FFP2 NR EN 149:2001+A1:2009

非医用

生产厂家:东莞市华盟通讯科技有限公司

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NON-MEDICAL

Dongguan Huagang Communication Technology Co, Ltd

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