NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Dongguan HuaGang Communication Technology Co., Ltd.
Model Tested: KN95-A
Date Tested: June 22, 2020


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 98.79% and 98.05%, respectively. All ten respirators measured more 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)](https://www.cdc.gov/disasters/covid-19/respiratory-protection/).
Evaluation of International Respirators

Test: Modified TEB-APR-STP-0059

Date Tested: June 22, 2020

Report Prepared: June 22, 2020

Manufacturer: Dongguan HuaGang Communication Technology Co., Ltd.

Item Tested: KN95-A


<table>
<thead>
<tr>
<th>Filter</th>
<th>Flow Rate (LPM)</th>
<th>Initial Filter Resistance (mmH₂O)</th>
<th>Initial Percent Leakage (%)</th>
<th>Maximum Percent Leakage (%)</th>
<th>Filter Efficiency</th>
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<tbody>
<tr>
<td>1</td>
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<td>14.4</td>
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<td>15.3</td>
<td>1.95</td>
<td>1.95</td>
<td>98.05</td>
</tr>
</tbody>
</table>

Minimum Filter Efficiency: 98.05 Maximum Filter Efficiency: 98.79

- 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.
Product Description

- **Efficient Filtration:** Filters at least 95% of dust, haze, droplets, and other particles.
- **Multi-Layer Filter:** 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:** Comfortable to wear, and using a low impedance filter material with no effect on the nose and the mask.
- **Ergonomic Design:** Adjustable metal strip ensures optimal sealing between the bridge of the nose and the mask.

Instructions

1. Unfold the mask on your face with the adjustable metal strip facing up.
2. Wrap the mask around both ears.
3. Place one band around the nose area and one band down left.
4. Pull the bands outward on each end.
5. Press 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.

* The actual printed content on the masks may differ from that shown in the product image or the packaging due to different printing requirements of each market.
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: 70%无纺布+30%熔喷布
Main Material: 70% non-woven fabric, 30% melt-blown fabric

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

生产日期: 052020
Production Date: 052020

生产批次: 05012020
LOT: 05012020

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.

包装规格: 见外包装
Packaging Specification: (See package)

生产商: 东莞市华罡通讯科技有限公司
Manufacturer: Dongguan Huagang Communication Technology Co., Ltd.

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