NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Chengde Technology Co., Ltd.
Model Tested: Folding Protective Mask (Non-Medical)
Date Tested: February 12, 2021

These findings pertain to the Chengde Technology Co., Ltd., model Folding Protective Mask (Non-Medical). The packaging and labeling for this product indicate that it meets GB2626-2006 (the Chinese standard for Respiratory Protective Equipment – Non-Powered Air-Purifying Particle Respirator).

Thirty respirators were submitted for evaluation. The respirators were sampled into groups of ten 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 99.87% and 96.48%, respectively. All thirty 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 respirators 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)].
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Evaluation of International Respirators

Test: Modified TEB-APR-STP-0059

Date Tested: February 12, 2021

Report Prepared: February 16, 2021

Manufacturer: Chengde Technology Co., Ltd.

Item Tested: Folding Protective Mask (Non-Medical)

Country of Certification: China (GB2626-2006)

<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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</table>

Minimum Filter Efficiency: 99.11%

Maximum Filter Efficiency: 99.87%

- 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.
**NPPTL COVID-19 Response: International Respirator Assessment**

**Evaluation of International Respirators**

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</table>

Minimum Filter Efficiency: 98.69%  
Maximum Filter Efficiency: 99.81%

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</tr>
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</table>

Minimum Filter Efficiency: 96.48%  Maximum Filter Efficiency: 99.78%

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GB2626-2006 is a compulsory national standard for particle respirators issued by the General Administration of Governance. Inspection and Quarantine of the People's Republic of China. It is required to meet both the filtration rate of particle prevention and the fitness under the condition of real-person wearing. According to the filtration efficiency test requirements, the test must use particles in the size of 0.3 μm, which are very small and difficult to be filtered. The filtration rate of this product for non-oil particles is ≥95%. 

**Instructions**

1. **Step 1**: After pulling the strap behind your ears, wrap the mask around your nose and mouth, and then pull the upper edge of the mask against the bridge of your nose.
2. **Step 2**: Pull the lower edge of the mask against the lower jaw and chin, insert the filter into the face mask groove, and ensure the filter is at the lowest and most suitable position.
3. **Step 3**: Tighten the adjustable nose bridge, ensuring a tight seal between the mask and the face.
4. **Step 4**: When not in use, press the filter to achieve firm protection against dust and other particles.
5. **Step 5**: For disposal, discard the mask after removing it. Do not wash the mask for reuse.

**Notes**

- The mask should be used in suitable conditions.
- The mask is non-medical and is not suitable for medical use.
- The mask should be stored in a clean, dry environment.

**Specifications**

- **Brand**: Zhongjianle
- **Model**: Folding Protective Mask
- **Type**: KN95
- **Quantity**: 10 pieces per pack
- **Material**: Non-medical

**Important**

- The mask should be worn properly to ensure effective protection.
- Regularly check the mask for any damage or wear before use.
- Dispose of the mask properly after each use.
APPLICATION

The mask can be used for respiratory protection of some non-oil particles, such as all kinds of productive dust like droplets, dust, sand dust, pollen and automobile exhaust, and air pollutants like non-volatile fog, as well as the protection of fine particles of environmental air pollution. Refer to the information provided by the manufacturer.

TIPS

Press and hold the nose clip and adjust the ear strap for a good fit, ensure the fitness of the mask and face before use. Good fitness helps to achieve the expected protective effect.

1. Cover the mask with both hands, and pay attention to avoid affecting the position of the mask on the face.

2. Inhale quickly. If the air leaks from the nose bridge, adjust the nose clip according to the above steps; if the air leaks from the edge of the mask, readjust the ear strap in case of any failure to achieve the good fit, repeat Step 1-4; if the fitness still cannot be achieved, choose other models or types of masks.

WARNING

This mask is only used for respiratory protection of the face. Small particles may enter the body or even death. For serious illness, please refer to the descriptions on the packaging page or our company at +86-077-89944999. This product is not recommended for children.
合格证
CERTIFICATE OF CONFORMITY

产品名称：KN95折叠式防护口罩（非医用）
Product name: KN95 Folding Protective Mask (Non-Medical)

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

品 牌：中健乐
Brand: Zhongjianle

产品规格：160*105mm
Product specification: 160*105mm

主要原料：51%无纺布+29%熔喷布+20%热空气棉
Main Material: 51% Non Woven + 29% Meltblown + 20% Hot air cotton

产品颜色：白色
Colors: White

生产日期：见包装袋
Production Date: See packing bag

检验日期：见包装袋
Inspection date: See packing bag

使用周期：一次性
Use cycle: disposable

产品型号：CD9501B
Product Type: Type CD9501B

生产企业：诚德科技股份有限公司
Manufacturer: Chengde Technology Co., Ltd

生产地址：浙江省龙港市世纪大道888-1088号
Add: No. 888-1088 Shiji Ave, Longgang City, Zhejiang Province

联系电话：057759889395
Tel: 86 577 59889395

产品使用范围：本产品不得用于发热门诊隔离病房（区）、
隔离留观病房（区）手术室、隔离重症监护室等区域。
Product range of use: This product should not be used in the area of isolated wards for fever diagnosis, isolated observation wards, operating rooms, isolated wards, etc.

本产品为非医疗器械 及供应急使用
THIS PRODUCT IS A NON-MEDICAL DEVICE
MADE IN CHINA
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