

## NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Jiangsu Huashi Textile Co., Ltd.

Model Tested: KN95 Protective Mask (Not for medical application)

Date Tested: September 29, 2020

These findings pertain to the Jiangsu Huashi Textile Co., Ltd., model KN95 Protective Mask (Not for medical application). The packaging for this product indicates that it meets GB2626-2006 (the Chinese standard for Respiratory Protective Equipment – Non-Powered Air-Purifying Particle Respirator).

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 84.30% and 74.40%, 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:** September 29, 2020

**Report Prepared:** September 29, 2020

**Manufacturer:** Jiangsu Huashi Textile Co., Ltd.

**Item Tested:** KN95 Protective Mask (Not for medical application)

**Country of Certification:** China (GB2626-2006)

Pictures have been added to the end of this report.

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH <sub>2</sub> O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
1	85	8.4	20.0	20.6	79.40
2	85	10.1	19.9	20.3	79.70
3	85	7.3	22.4	22.5	77.50
4	85	11.2	22.1	22.2	77.80
5	85	9.3	23.3	23.7	76.30
6	85	9.1	15.7	15.7	84.30
7	85	11.1	20.6	20.6	79.40
8	85	10.8	25.3	25.6	74.40
9	85	8.4	17.0	17.0	83.00
10	85	9.7	21.7	21.7	78.30
<b>Minimum Filter Efficiency: 74.40</b>			<b>Maximum Filter Efficiency: 84.30</b>		

- 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.



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## Notes

1. Before use, the overall appearance of the mask should be free from damage or pollution, with the earloops that are in good elasticity and the nose clip that is free from damage or fracture.
2. For masks with respiratory valve, check whether the valve plate falls off or is damaged before use.
3. When you feel dyspnea, dizziness or other discomfort, please leave the contaminated area immediately.
4. When the respiratory resistance of the mask increases, replace the mask immediately.

## Storage conditions

1. It must be properly stored and kept away from contaminated areas.
2. Prevent mechanical extrusion, humidity, high temperature, sunlight exposure and contact with corrosive chemicals.
3. It is recommended that the product be stored at 0°C-25°C and below 50% relative humidity.

KN95 Protective Masks (Not for medical application)

Brand: 喜造XIZAO

Composition: Non-woven cloth layer, Melt-blown cloth filter layer

Color: white

Size: 15x11cm(Adults)

Specifications: 50 pieces

Shelf life: Two years

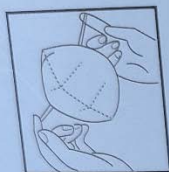
Standard: GB2626-2006

Manufacturer: Jiangsu Huashi Textile Co., LTD

Address: No.6, Tonghe Road, Economic Development Zone, Nantong City, Jiangsu Province, China

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## Way of wearing



1. Hold the earloops respectively with your hands so that the nose clip is located above the mask, making the mask against the chin.
2. Hang the earloop on the ear, and adjust it to a more comfortable state.
3. Press the nose clip with your index finger and middle finger of both hands from the central neck to both sides at the same time until they cling to the ears.
4. Cover the mask with both hands as much as possible, and conduct direct and vertical compression tests to ensure the tightness of the mask.
5. Check the tightness of the mask to the face before entering the work area.

## Scope of application

Be applicable to protect droplets, PM2.5, industrial dust, fog and smoke.

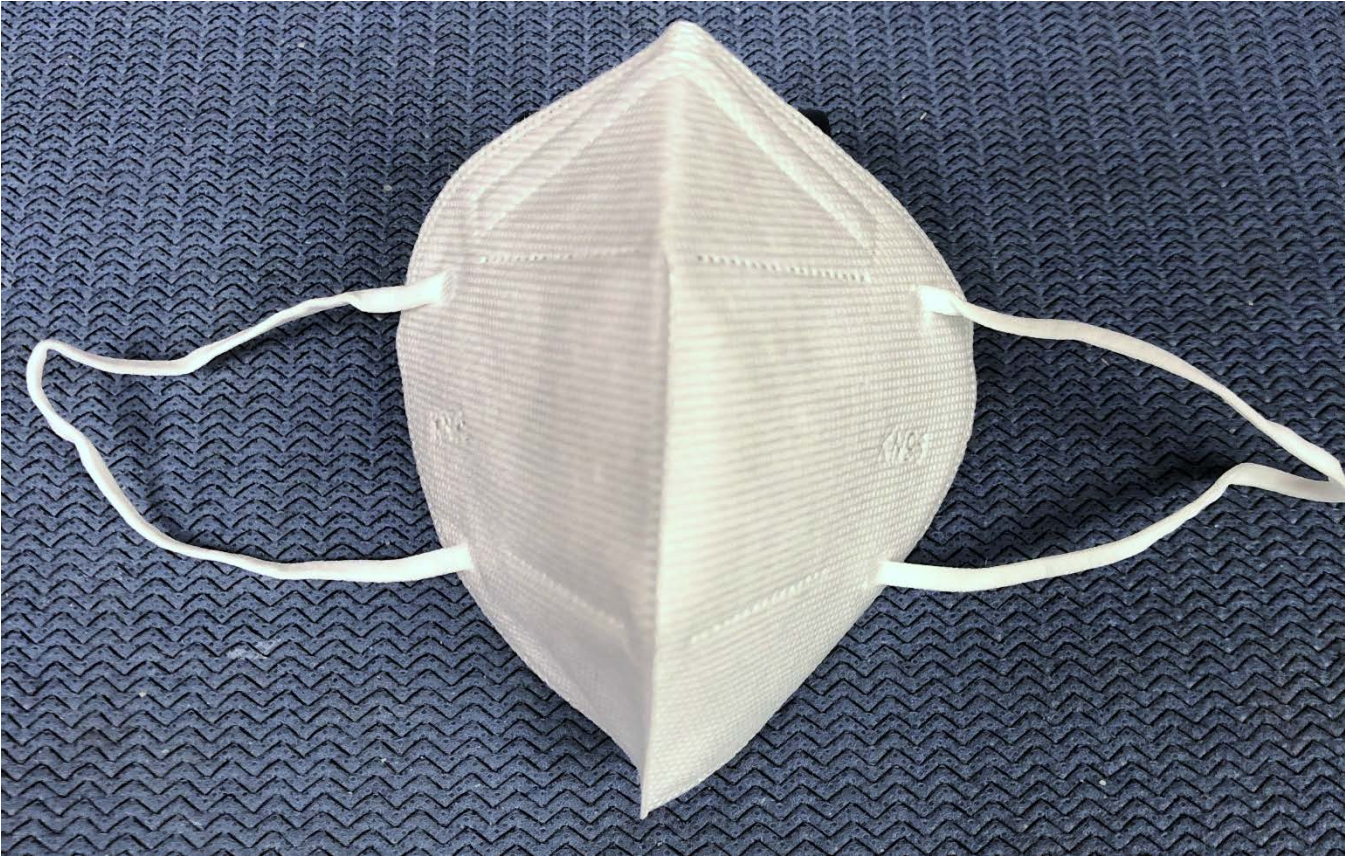
MADE IN CHINA

批号(Lot No):20200413  
生产日期(MFG):2020.04.13

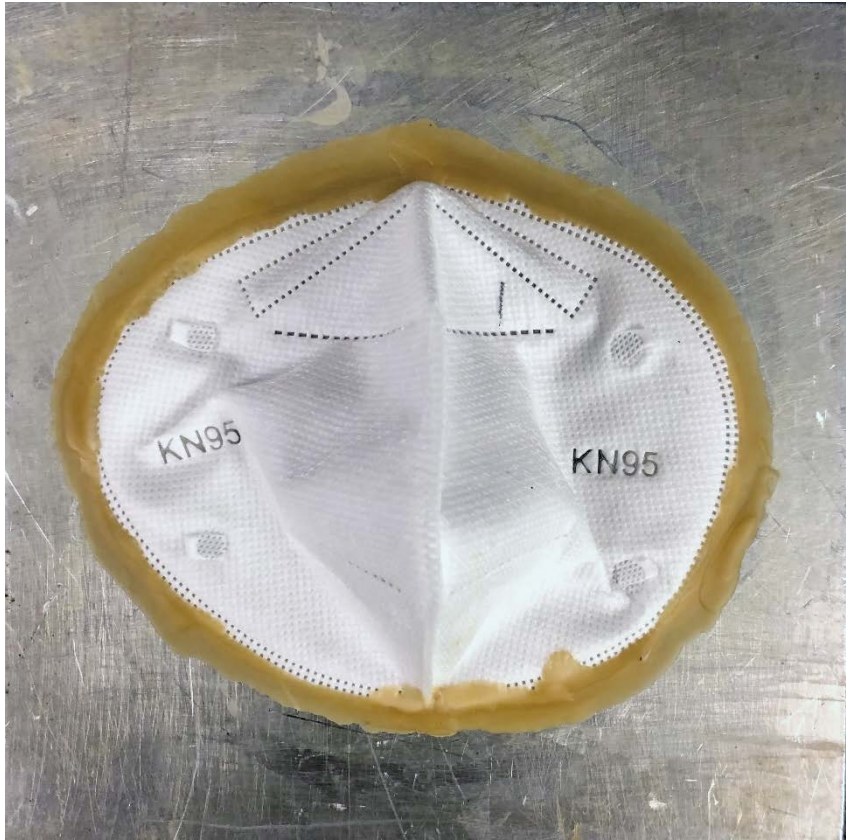
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