

## NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Hunan Shaofeng Dress Co., Ltd.

Model Tested: KN95 Mask Folding Respirator (Non-Medical)

Date Tested: September 8, 2020

These findings pertain to the Hunan Shaofeng Dress Co., Ltd., model KN95 Mask Folding Respirator (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).

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 83.30% and 75.10%, 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 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 \(during known shortages\)](#).

## Evaluation of International Respirators

**Test:** Modified TEB-APR-STP-0059

**Date Tested:** September 8, 2020

**Report Prepared:** September 8, 2020

**Manufacturer:** Hunan Shaofeng Dress Co., Ltd.

**Item Tested:** KN95 Mask Folding Respirator (Non-Medical)

**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	7.4	24.7	24.7	75.30
2	85	9.2	23.6	23.6	76.40
3	85	6.5	22.9	22.9	77.10
4	85	8.9	22.1	22.1	77.90
5	85	9.3	24.9	24.9	75.10
6	85	4.6	18.1	18.1	81.90
7	85	6.6	16.7	16.7	83.30
8	85	5.9	18.6	18.6	81.40
9	85	5.6	18.7	18.7	81.30
10	85	5.2	18.1	18.1	81.90
<b>Minimum Filter Efficiency: 75.10%</b>			<b>Maximum Filter Efficiency: 83.30%</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.



# NPPTL COVID-19 Response: International Respirator Assessment

**Product Name** KN95 MASK FOLDING RESPIRATOR (NON-MEDICAL)

**Shelf Life** 3 Years

**Manufacturer** Hunan Shaofeng Dress Co., Ltd

**Storage** Store In A Cool, Dry And Ventilated Place

**Address** No. 168, Chuanwan, Liling (Chuanwan Shaofeng Industrial Park)

**Tel Number** 86-731-23738888

**Production Date** See Inner Box

**Implementation Standard** GB2626-2006

**【SCOPE OF ADAPTATION】** Only for daily general protection in Non Medical environment

## Method of use



Hold the mask on your face and against your chin



Pull the straps on both sides and hang on the ears, adjust it till you feel comfortable



Press the middle and both sides of the clip till it meets the nose bridge



Check the mask with face tightness



## NOTES

1. The mask is not suitable for hypoxic environment (i.e. oxygen concentration is less than 19.5%)
2. Do not use the mask when the concentration of pollution is high enough to endanger health or life
3. The mask should not be used to protect against harmful gases
4. Replace the mask when it is contaminated, damaged or hard to breathe



# SELF-PRIMING FILTER RESPIRATOR /KN95

## KN95 FOLDING RESPIRATOR FACE DUST MASK

### Restrictions & Warnings

- Wearers should receive proper training and health checks before wearing masks
- Do not use this mask when the concentration of pollutants reaches a life-threatening or health-prone concentration
- When you have difficulty breathing, dizziness or other discomfort, leave the contaminated area
- Replace the mask when it is contaminated or damaged
- Check the mask before use to ensure a good working environment
- Please do not modify, clean, abuse or misuse this mask
- Use masks in accordance with government regulations
- Exposure to a contaminated area without wearing a mask may result in infection or permanent health hazard



keep dry



Away from  
sun light



Discard when  
with broken pack

### Wearing Instruction



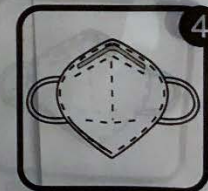
1. Hold the mask on you face and against your chin



2. Pull the straps on both sides and hang on the ears, adjust it till you feel comfortable



3. Press the middle and both sides of the clip till it meets the nose bridge



4. Please discard when damaged, smelly or wet

### Facial comfort

New material in line with relevant national standards, skin-friendly, non-allergic, no odor.

### Environmental and healthy

Degradable non-woven fabric being used

### Classic design

Fully fitted to avoid exposure.

### Advanced technology

Use high-efficiency electrostatic consideration cotton, excellent protection effect.

## 合格证 CERTIFICATION

非医用KN95防护口罩 KN95 MASK FOLDING RESPIRATOR(NON-MEDICAL)

规格: 16\*11CM

Specification

执行标准: GB2626-2006

Executive standard:GB2626-2006

检验员: 02 检验: 合格

Inspectors : 02 QCPASS

产品性能: PFE  $\geq$ 95%, 达到 KN95 级别

Product performance: PFE  $\geq$ 95%,

Reached KN95 Level

原材料: 无纺布 69% 熔喷布 31%

Raw materials:69%non woven fabric,

31%melt-blown fabric

品牌/brand:韶峰牌 韶峰服饰有限公司

生产批号/Production Batch: 20200416

生产日期/Production Date: 2020/04/16

有效期/Shelf Life: 2020/04/16

生产企业: 湖南省韶峰服饰有限公司

Manufacturer: Hunan Shaofeng Dress Co.,Ltd

生产地址: 湖南省醴陵市船湾镇四方居委会168号

(船湾韶峰工业园)

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