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)

<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>
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<td>18.1</td>
<td>18.1</td>
<td>81.90</td>
</tr>
</tbody>
</table>

Minimum Filter Efficiency: 75.10%
Maximum Filter Efficiency: 83.30%

- 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.
KN95 MASK FOLDING RESPIRATOR

Comply with national kn95 standard

Prevent misthaze PM2.5
Dustproof Anti-droplet

Filtering effect $\geq 95\%$

50 PCS
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:

1. Hold the mask on your face and align your chin
2. Pull the straps on both sides and hang on the ears, adjust it until you feel comfortable
3. Press the middle and both sides of the clip till it meets the nose bridge
4. 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

- BFE ≥ 95%
- To prevent spray and lower infection risk
- Solid stretch design and breathe smoothly

5 pcs
SELF-PRIMING FILTER RESPIRATOR /KN95

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.

Wearing Instruction

1. Hold the mask on your 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.

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

KN95 Mask Folding Respirator (Non-Medical)

Specification

GB2626-2006

Product performance: PFE ≥ 95%, Reached KN95 Level


Brand/Brand: Shaofeng

Certificate: Shaofeng

Production Batch: 20200416

Production Date: 2020/04/16

Shelf Life: 2020/04/15

Manufacturer: Hunan Shaofeng Dress Co., Ltd

Address: No 168, Sifang, Chuanwan, Liling

Phone: +86073123738888
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