These findings pertain to the Jiangsu Jiton Clothing Corporation, Model JT-KN95 Reusable and Sterilizable Nano-mask KN95. The labeling for these respirators indicate they meet EN149:2001+A1-2009 FFP2. This is the European standard for Respiratory Protective Devices – Filtering Half Masks to Protect Against Particles – Requirements, Testing, Marking. The packaging indicates a filtration efficiency of ≥ 94%.

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 96.74% and 91.61%, respectively. Six of the respirators measured less than 95%. Two of the respirators measured less than 94%.

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:** April 13, 2020

**Report Prepared:** April 15, 2020

**Manufacturer:** Jiangsu Jiton Clothing Corporation

**Item Tested:** JT-KN95 Reusable and Sterilizable Nano-mask KN95

**Country of Certification:** China (European Standard EN149)

<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>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>85</td>
<td>15.6</td>
<td>3.31</td>
<td>3.31</td>
<td>96.69</td>
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<tr>
<td>3</td>
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<td>11.2</td>
<td>5.14</td>
<td>5.14</td>
<td>94.86</td>
</tr>
</tbody>
</table>

- Minimum Filter Efficiency: 91.61
- Maximum Filter Efficiency: 96.74

- 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.

Pictures have been added to the end of this report.
KN95
Reusable and Sterilizable Nanomask KN95 (Non-medical)
EN149:2001+A1-2009 FFP2
Let you breathe clean air
Nano-film filtration, Disinfectable recycling
More Protection
KN95 Level
Effective to bacteria
Skin comfort
25
Product Specification

Product Name: Reusable and Sterilizable Nano-mask KN95
Model: JT-KN95
Main material: Microporous nano-fiber film, pure cotton gauze
Filtration efficiency: ≥94% (TEST IN SALT ENVIRONMENT)
Inspiratory resistance: ≤350Pa
Expiratory resistance: ≤250Pa

Product Introduction:
The core material of this product is nano fiber microporous film, a non-medical, non-nominal material that protects the wearer from splashing drops and dust. It is made of traditional cotton gauze, with excellent protective effect and comfortable feeling, softness and good air permeability, and reuse after disinfection or washing.

Component of Mask: Outer layer: 100% Cotton gauze;
Intermediate layer: Microporous nano fiber film;
Interlayer: 100% Cotton gauze

Protective Characteristics: Initial filtration rate≥94%, effectively block microparticles such as droplets, pm2.5 dust, aerosols, bacteria, viruses etc. can be reusable after disinfection, the protective efficiency is stable under the condition that the nano-film is not damaged.

Scope of application:
Applicable to low-risk exposed persons.

Instructions of daily use and reuse after being sterilized:
(Daily use)
When put on the mask:
1. This product is sterilized, please wash your hands before put on the mask.
2. Position the mask under the chin with nosepiece clip up.

Colour: Black White Light blue Pink
Size: XS S M L
NPPTL COVID-19 Response: International Respirator Assessment
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