NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Guangdong Golden Leaves Technology Development Co., Ltd.
Model Tested: 8862 KN95
Date Tested: May 27, 2020

These findings pertain to the Guangdong Golden Leaves Technology Development Co., Ltd., model 8862 KN95. 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-SP-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 99.50% and 99.00%, respectively. All ten 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 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).
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Evaluation of International Respirators

Test: Modified TEB-APR-STP-0059

Date Tested: May 27, 2020

Report Prepared: May 27, 2020

Manufacturer: Guangdong Golden Leaves Technology Development Co., Ltd.

Item Tested: 8862 KN95

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>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>85</td>
<td>10.1</td>
<td>0.69</td>
<td>0.69</td>
<td>99.31</td>
</tr>
<tr>
<td>2</td>
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<td>0.60</td>
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<td>99.40</td>
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<tr>
<td>3</td>
<td>85</td>
<td>9.8</td>
<td>0.60</td>
<td>0.60</td>
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<tr>
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<td>10.8</td>
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<td>0.63</td>
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<tr>
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<td>0.78</td>
<td>99.22</td>
</tr>
<tr>
<td>6</td>
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<td>99.27</td>
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<tr>
<td>7</td>
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<td>10.6</td>
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<tr>
<td>8</td>
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<td>12.7</td>
<td>1.00</td>
<td>1.00</td>
<td>99.00</td>
</tr>
<tr>
<td>9</td>
<td>85</td>
<td>10.2</td>
<td>0.72</td>
<td>0.72</td>
<td>99.28</td>
</tr>
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<td>10</td>
<td>85</td>
<td>10.2</td>
<td>0.81</td>
<td>0.81</td>
<td>99.19</td>
</tr>
</tbody>
</table>

Minimum Filter Efficiency: 99.00
Maximum Filter Efficiency: 99.50

- 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.
Fish Shape KN95 Mask

GB 2626–2006

20 pcs
8862 KN95

Major structural composition
The product consists of mask body, nose clip and elastic band.

Wearing method
Open the mask and press on the bridge of the nose after wearing it, the protective effect is better.

Authorized agent: Sky Screen

Product specifications:
Product: Sky Screen KN95
Product model: 8862 KN95
Product quality: Made in China
Product specification: 20.5*8cm
Product quantity: 20pcs/pack

Validity: 3 years

Package: L=250mm*W=200mm*H=35mm

Main Structural Composition:
The product consists of mask body, nose clip and elastic band.

Wearing Method:
Open the mask and press on the bridge of the nose after wearing it, the protective effect is better.
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1. Do not use in an environment above 50°C.
2. Do not use in an environment with oxygen content of less than 20%.
3. Do not use in a toxic gas environment.
4. Not recommended for children, pregnant women or the elderly.
5. If the package is damaged or the components are not intact, it is forbidden to use the mask.
6. It is limited to respiratory protection against non-toxic particles only.
7. It is recommended to store in a dry, ventilated, non-corrosive gas environment; humidity less than 80% and storage temperature must be between -20°C and 30°C. Keep away from ignition sources and flammable materials.
8. This product is not applicable to special industries such as axenic environment, underwater operation, fire control and industrial dust protection or to respiratory protection of infants.
9. Do not wear a mask if unventilated, hard in breathing or during sleep.
10. People with abnormal heart and lung functions should use masks with caution.
11. If a mask is damaged or you feel the respiratory resistance is obviously increased, replace it in time.
12. In case of any discomfort or adverse reactions during use, stop to use immediately.
13. Do not reuse. The mask is disposable product.

Cautions and Limitations

A. Do not use in an environment above 50°C.
B. Do not use in an environment with oxygen content of less than 20%.
C. Do not use in a toxic gas environment.
D. Not recommended for children, pregnant women or the elderly.
E. If the package is damaged or the components are not intact, it is forbidden to use the mask.
F. It is limited to respiratory protection against non-toxic particles only.
G. It is recommended to store in a dry, ventilated, non-corrosive gas environment; humidity less than 80% and storage temperature must be between -20°C and 30°C. Keep away from ignition sources and flammable materials.
H. This product is not applicable to special industries such as axenic environment, underwater operation, fire control and industrial dust protection or respiratory protection of infants.
I. Do not wear a mask if unventilated, hard in breathing or during sleep.
J. People with abnormal heart and lung functions should use masks with caution.
K. If a mask is damaged or you feel the respiratory resistance is obviously increased, replace it in time.
L. In case of any discomfort or adverse reactions during use, stop to use immediately.
M. Do not reuse. The mask is disposable product.

Manufacture: Guangdong Golden Leaves Technology Development Co., Ltd
Production Address: 5/F, building 2, No. 8, Qiaolonghe East Road, Tangxia Town, Dongguan, Guangdong, 523730, CHINA
Contact: 0769-87989800

注意使用前，使用者必须阅读并了解使用说明。

生产日期: 20200410
生产批号: 20200416-09-01

生产地址：广东省东莞市塘厦镇塘龙河东路8号2栋501
公司名称：广东金叶科技发展有限公司
电话：0769-87989800

Pay attention before use, the wearer must read the instructions.
Please save these instructions for reference.

**FPIs read carefully before use. Misuse can cause illness or death.**
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