NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Guangzhou Powecom Labor Insurance Supplies Co., Ltd.
Model Tested: KN95 (Earloop style)
Date Tested: October 7, 2020

These findings pertain to the Guangzhou Powecom Labor Insurance Supplies Co., Ltd., model KN95 (Earloop style). 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).

Thirty 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 99.76% and 99.03%, respectively. All thirty 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 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).
NPPTL COVID-19 Response: International Respirator Assessment

Evaluation of International Respirators

Test: Modified TEB-APR-STP-0059
Date Tested: October 7, 2020
Report Prepared: October 9, 2020
Manufacturer: Guangzhou Powecom Labor Insurance Supplies Co., Ltd.
Item Tested: KN95 (Earloop style)
Country of Certification: China (GB2626-2006)

<table>
<thead>
<tr>
<th>Filter</th>
<th>Flow Rate (LPM)</th>
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<th>Initial Percent Leakage (%)</th>
<th>Maximum Percent Leakage (%)</th>
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<td>0.81</td>
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</tbody>
</table>

Minimum Filter Efficiency: 99.19%
Maximum Filter Efficiency: 99.76%

- 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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Minimum Filter Efficiency: 99.07%  
Maximum Filter Efficiency: 99.43%

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</tr>
</tbody>
</table>

Minimum Filter Efficiency: 99.03%  Maximum Filter Efficiency: 99.76%

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NPPTL COVID-19 Response: International Respirator Assessment

Product Name: KN95 PROTECTIVE MASK
Model No: KN95 (Earloop style)
Packaging: 1000pcs (10 x 100 Bags)
Carton Size: 68 x 36 x 36.5 cm
Made In China
MANUFACTURER:
Guangzhou Powecom Labor Insurance Supplies Co., Ltd.
Add: Floor 1, 3 and 4, Building 1, No. 43, Tuanjie Road,
Xinya Street, Huadu District, Guangzhou City,
Guangdong Province, P.R. China
Tel: +86-20-86600663         Fax: +86-20-36092323
Made in China
APPLICATION:
Suitable for protection against powder, PM2.5 smoke, particulates, air dust, etc. The face mask is good for wind proof and protection the face against cold weather.

INSTRUCTION FOR USE:
1. Open the mask and place the bridge of the nose on it. After wearing the mask, press the bridge of the nose to close it. The protective effect is better.
2. MODEL NO.: KN95
3. PRODUCTION DATE AND EXPIRATION: See Qualification Certificate
4. STORE IN clean and cool place, humidity <80%, temperature -10°C – 40°C
5. STANDARD: GB2626-2006 KN95
6. CAUTIONS:
   1. Keep the face mask clean before use. Do not touch the rear side of face mask.
   2. Ensure the face mask fits the face, by adjusting the nose piece, keeping mask edge close to face.
   3. Check if there is folding of mask. Do not use if the face mask is broken or with hole or leakage.
   4. Do not wash the face mask with water. Water will destroy filtering ability and protection.
   5. Do not steam the face mask, and do not put it in microwave.
   6. Keep the face mask away from vapor, oil, chemicals, paint, liquid, acid, alkali objects.
   7. Do not use the face mask when it gets quite dirty or breathing resistance increase remarkably.

MANUFACTURER:
Hygienic Respirator Labor Insurance Supplies Co., Ltd.
No. 1, 1st Floor, Building 1-42, No. 43, Tongmei Road
Chongqing Economic Development District, Chongqing City,
Tel: 023-68025663
Made in China
Tel: 185-20-66010423
NPPTL COVID-19 Response: International Respirator Assessment

PRODUCT INSTRUCTION

MODEL: KF95 (Earloop style)
ITEM: KF95 Protective Mask

APPLICATION:
Surfaces for protection against powder, dust & smoke, particulates, allergens, etc., and protection the face against cold.

COMPOSITION:
Outer layer: PP non-woven fabric
Middle layer: ES melt-blown fabric, ES melt-blown non-woven fabric, and efficiency electrostatic
Inner layer: PP melt-blown fabric
Executive standard: GB 2626-2006 KN95
Non-oily particulate filtering efficiency: ≥95%

STORAGE TEMPERATURE:
Temperature: -30°C ~ 40°C, Humidity: < 80%
Store in dry and cool place

VALIDITY: Three years

INSTRUCTION FOR USE:
1. Stretch face mask
2. Place the ear loops to ear
3. Adjust and press the nose piece
4. Ensure covering the chin

CAUTIONS:
1. This product cannot be used to prevent harmful gases.
2. Discard the face mask when it gets quite dirty or breathing resistance increases remarkably.
3. Please avoid storing this product in the environment of high temperature, humidity or harmful chemicals.
4. Preschoolers or patients with respiratory abnormalities can’t use it.
5. Everytime you use it, please check the wearing “adhesive” to ensure that the mask is worn correctly.
6. Not suitable for use in environments with toxic gases or oxygen concentrations below 18.5%. 
7. Cannot be used in microwave oven.

CUSTOMER SERVICE HOTLINE: 400-608-5933

MANUFACTURER:
Guangzhou Powscom Labor Insurance Supplies Co., Ltd
Add: Floor 1, 3 and 4, Building 1, No. 43, Tunjie Road, Xinyu Street, Hualu District, Guangzhou City, Guangdong Province, P. R. China