NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Foshan Nanhai Weijian Sanbang Protective Equipment Technology Co., Ltd.
Model Tested: 9051A
Date Tested: May 16, 2020


Ten respirators were submitted for evaluation. The samples were tested using a modified version of NIOSH Standard Test Procedure (STP) TEB-APR-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 97.70% and 97.38%, 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 16, 2020

Report Prepared: May 18, 2020

Manufacturer: Foshan Nanhai Weijian Sanbang Protective Equipment Technology Co., Ltd.

Item Tested: 9051A


<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>
<td>1</td>
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<td>15.3</td>
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<td>97.70</td>
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<td>12.6</td>
<td>2.30</td>
<td>2.30</td>
<td>97.70</td>
</tr>
</tbody>
</table>

Minimum Filter Efficiency: 97.38  Maximum Filter Efficiency: 97.70

- 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.
Wear instructions

1. No nose clip side of face masks, nose clip located above mask. With the nose mask on the face, will face mask against his chin. Pull head above the belt over the head, placed in the overhead.
2. Tack up coat pulled over the head, placed in the neck below the ears.
3. Put finger in central metal nose clip, inward pressure while moving along the nose clip to the fingertips, until the nose clip is pressed into the bridge of the nose shape. With only one hand to knead mask nose clip may affect mask or sex.
4. Before entering the work area, the user must check the face mask and tidal line or sex at covered mask with hands. Avoid influence the position of the mask on the face. (rapidly exhale. Such as air leak from the bridge of the nose, nose clips should be adjusted according to the figure 4. Such an air leakage from mask edge, should adjust the ear. If can’t obtain a good seal, should repeat steps 1-4. If still not leak, put into the work space.

Firmly press the nose clip on the bridge of the nose in order to form a good seal is very important.

Use For
- Particles such as those from grinding, sanding, sweeping, sawing, bagging, processing minerals, coal, iron ore, flour, metal, wood, pollen, and certain other substances.
- Liquid or non-aqueous based particles from sprays that do not also emit oil aerosols or vapors.
- Do Not Use For:
  - Gases and vapors, oil aerosols, asbestos, arsenic, cadmium, lead, 4, 4-dimethyldiphenyl
diisocyanate (MDI) or sandblasting concentrations that exceed 10 times the PEL/GEL specific OSHA standards, or applicable government regulations, whichever is lower.
- The respirator does not supply oxygen.
- At least 95% filtration efficiency against solid and liquid aerosols that do not contain oil. See insert for approval label.

Time Use Limitation
- If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and replace the respirator.

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