NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: AOK Tooling Limited (Shenzhonghai Medical Inc.)
Model Tested: 20180016
Date Tested: May 11, 2021

These findings pertain to the AOK Tooling Limited (Shenzhonghai Medical Inc.), model 20180016. The packaging and labeling indicate that it is a NIOSH-approved product, under approval number TC-84A-8131. The packaging for this product also indicates that it meets T/CTCA 7-2019 (the Chinese standard for Ordinary Protective Mask).

Ten respirators were submitted for evaluation. The samples were tested using the modified version of NIOSH Standard Test Procedure (STP) TEB-APR-STP-0059. This modified assessment plan can be found [here](http://example.com).

The maximum and minimum filter efficiency was 99.38% and 95.01%, respectively. All ten respirators measured more than 95% filter efficiency.

This product has head bands/straps. 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)](http://example.com).
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Evaluation of International Respirators

**Test:** Modified TEB-APR-STP-0059

**Date Tested:** May 11, 2021

**Report Prepared:** May 14, 2021

**Manufacturer:** AOK Tooling Limited (Shenzhonghai Medical Inc.)

**Item Tested:** 20180016

**Country of Certification:** China (T/CTCA 7-2019); USA (42 CFR 84)

<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>17.6</td>
<td>0.57</td>
<td>0.62</td>
<td>99.38</td>
</tr>
<tr>
<td>2</td>
<td>85</td>
<td>17.7</td>
<td>1.10</td>
<td>1.21</td>
<td>98.79</td>
</tr>
<tr>
<td>3</td>
<td>85</td>
<td>15.4</td>
<td>2.09</td>
<td>2.38</td>
<td>97.62</td>
</tr>
<tr>
<td>4</td>
<td>85</td>
<td>16.5</td>
<td>1.38</td>
<td>1.59</td>
<td>98.41</td>
</tr>
<tr>
<td>5</td>
<td>85</td>
<td>16.4</td>
<td>0.95</td>
<td>0.96</td>
<td>99.04</td>
</tr>
<tr>
<td>6</td>
<td>85</td>
<td>18.7</td>
<td>4.75</td>
<td>4.99</td>
<td>95.01</td>
</tr>
<tr>
<td>7</td>
<td>85</td>
<td>16.1</td>
<td>1.61</td>
<td>1.72</td>
<td>98.28</td>
</tr>
<tr>
<td>8</td>
<td>85</td>
<td>17.1</td>
<td>1.72</td>
<td>1.86</td>
<td>98.14</td>
</tr>
<tr>
<td>9</td>
<td>85</td>
<td>17.6</td>
<td>0.85</td>
<td>0.88</td>
<td>99.12</td>
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<tr>
<td>10</td>
<td>85</td>
<td>16.5</td>
<td>3.09</td>
<td>3.17</td>
<td>96.83</td>
</tr>
</tbody>
</table>

**Minimum Filter Efficiency:** 95.01%

**Maximum Filter Efficiency:** 99.38%

- 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.
NPPTL COVID-19 Response: International Respirator Assessment

V Fold N95 B Mask

Name: V Fold N95 B Mask (非医用)
Model: 20180016
Spec.: ☑ L ☐ M ☐ S
Quantity: 10PCS
执行标准: 团标 T/CTCA 7-2019
NIOSH number: TC-84A-8131
Main components: Silicone 56%, Non-woven 28%, Melt-blown non woven 6%, Elastic 5%, Nose Piece 2%, Adjustment clip 3%.

Distributor: AOK Tooling Ltd.
Manufacturer: Shenzhenhai Medical Inc.
Add.: #8, Longtian 3Rd, Longtian Street, Pingshan Dist., Shenzhen, China
Tel: 86-0755-84112290

Expiration date: 3 years
Production date: 2020-04-11
Lot No.: 202004110100

Made in China
NPPTL COVID-19 Response: International Respirator Assessment
# NPPTL COVID-19 Response: International Respirator Assessment

<table>
<thead>
<tr>
<th><strong>产品名称</strong> (Name)</th>
<th>折叠式N95口罩 (非医用) V Fold N95 B Mask (Non-Medical)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>产品型号</strong> (Model)</td>
<td>20180016</td>
</tr>
<tr>
<td><strong>产品规格</strong> (Spec.)</td>
<td>L</td>
</tr>
<tr>
<td><strong>执行标准</strong> (Standard)</td>
<td>团标 T/CTCA 7-2019</td>
</tr>
<tr>
<td><strong>NIOSH number</strong></td>
<td>TC-84A-8131</td>
</tr>
<tr>
<td><strong>主要成分</strong> (Main components)</td>
<td>硅胶56%，无纺布28%，熔喷布6%，松紧带5%，鼻梁条2%，调节扣3%</td>
</tr>
<tr>
<td><strong>生产日期</strong> (Production date)</td>
<td>2020-04-11</td>
</tr>
<tr>
<td><strong>生产批号</strong> (Lot No.)</td>
<td>202004110100</td>
</tr>
<tr>
<td><strong>有效期</strong> (Expiration date)</td>
<td>3 years</td>
</tr>
<tr>
<td><strong>经销商</strong> (Distributor)</td>
<td>深圳市飞速精密模具有限公司 AOK Tooling Ltd.</td>
</tr>
<tr>
<td><strong>生产企业</strong> (Manufacturer)</td>
<td>深中海医疗用品（深圳）有限公司 Shenzhenhonghai Medical Inc.</td>
</tr>
<tr>
<td><strong>生产地址</strong> (Add.)</td>
<td>深圳市坪山区龙田街道龙田三路8号 #8, Longtian 3Rd, Longtian Street, Pingshan Dist, Shenzhen, China</td>
</tr>
<tr>
<td><strong>联系电话 Tel</strong></td>
<td>86-0755-84112290</td>
</tr>
</tbody>
</table>
WORKPLACE/OCCUPATIONAL USER INSTRUCTIONS

20160016-L V-Fold W50 B Mask: Large Size

When it is being removed, be aware that this is a large size mask and that other sized masks may fit better.

User Instructions

IMPORTANT: Keep these instructions for reference.

This respirator contains no compounds from natural rubber latex.

WARNING

This respirator helps protect against certain particles. Misuse may result in sickness or death. For proper use, see supervisory instructions.

Respirator Use:

For protection against particles such as those from metal, acid, powder, coal, iron ore, cotton, pollen, flour, and certain other substances as well as liquid or non-oil based splashes from sprays that do not also emit, or aerosol or vapor. Use of this respirator does not imply oxygen.

Do Not Use For:

Vaccine and biologicals, including those grown in or using any non-vaccines, such as home or household products, food and water, or any other activities.

Biological Particles

This respirator can help reduce exposure to certain airborne biological particles but cannot eliminate the risk of contacting infectious diseases or illnesses. OAHA and other government agencies have not established safe exposure limits for these contaminants.

Additional Use Limitations

1. Inspect the respirator for damage. If your respirator appears damaged, DO NOT USE IT. Replace it with a new one.
2. Failure to follow all instructions and use limitations for this respirator and to fail to perform this instruction during all times of respirator use may result in sickness or death.
3. Do not allow facial hair, jewelry, glasses, clothing, or anything else to prevent proper placement or cause between your face and the respirator.
4. Do not alter, deface, or misuse the respirator.
5. Leave the contaminated area immediately and contact supervisor if sickness, irritation, or other distress occurs.
6. This respirator is designed for use only by adults who are properly trained in their use and limitations. This respirator is not designed to be used by children.
7. Do not use in atmospheres containing less than 19.5% oxygen.

Before occupational use of this respirator, a written respiratory protection program must be implemented meeting all the local government requirements. In the United States, employers must comply with OSHA’s 29 CFR 1910.134, which includes medical evaluation, training, and fit testing.

This respirator is approved only in the following configuration:

<table>
<thead>
<tr>
<th>TC</th>
<th>Protection</th>
<th>Respirator</th>
<th>Cautions and Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td>64A-9127</td>
<td>N95</td>
<td>X</td>
<td>ABCJMNOP</td>
</tr>
</tbody>
</table>

1. Protection

N95 Particulate Filter (95% filter efficiency) (effective against particulate aerosols less than or equal to 0.3 μm).

2. Cautions and Limitations

A. Not to be used in atmospheres containing less than 19.5% oxygen.
B. Not to be used in atmospheres immediately dangerous to life or health.
C. Do not exceed maximum altitude concentrations established by regulatory authorities.
D. Failure to properly use and maintain this product could result in injury or death.
E. Adherence to National Institute for Occupational Safety and Health (NIOSH) and employers' policies for maintenance
F. NIOSH does not evaluate respirators for use as surgical masks.

Manufactured by:
AOK Tooling Limited
Shen Zhen, China

This respirator is approved only in the following configuration:

TC Protection Respirator Cautions and Limitations
64A-9127 N95 X ABCJMNOP

AOK Tooling Limited
Long Tian Village, Kang Ji Town
Pingshan District, Shen Zhen
China
TEL: 86 0755 84119192

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