These findings pertain to the 3M, model 1860. The packaging and labeling indicate that it is a NIOSH-approved product, under approval number TC-84A-0006.

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.

The maximum and minimum filter efficiency was 99.85% and 95.33%, 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).
NPPTL COVID-19 Response: International Respirator Assessment

Evaluation of International Respirators

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

**Date Tested:** February 17, 2021

**Report Prepared:** February 18, 2021

**Manufacturer:** 3M

**Item Tested:** 1860

**Country of Certification:** 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>
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<td>17.0</td>
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<tr>
<td>2</td>
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<tr>
<td>3</td>
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<tr>
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</tr>
<tr>
<td>6</td>
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</tr>
<tr>
<td>7</td>
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<tr>
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<td>99.85</td>
</tr>
<tr>
<td>9</td>
<td>85</td>
<td>14.1</td>
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<td>99.78</td>
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<tr>
<td>10</td>
<td>85</td>
<td>13.3</td>
<td>4.67</td>
<td>4.67</td>
<td>95.33</td>
</tr>
</tbody>
</table>

Minimum Filter Efficiency: 95.33%  
Maximum Filter Efficiency: 99.85%

- 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.
NPPTL COVID-19 Response: International Respirator Assessment

3M
St. Paul, Minnesota, USA
1-800-243-4630
1860 Series Respirators

THESE RESPIRATORS ARE APPROVED ONLY IN THE FOLLOWING CONFIGURATIONS:

<table>
<thead>
<tr>
<th>RESPIRATOR COMPONENTS</th>
<th>FILTERING FACEPIECE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC-6</td>
<td>PROTECTION¹</td>
</tr>
<tr>
<td>84A-0006</td>
<td>N95</td>
</tr>
<tr>
<td>84A-4526</td>
<td>N95</td>
</tr>
</tbody>
</table>

1. PROTECTION

N95 - Particulate Filter (95% filter efficiency level) effective against particulate aerosols free of oil; time use restrictions may apply.

2. CAUTIONS AND LIMITATIONS

A - Not for use in atmospheres containing less than 19.5 percent oxygen.
B - Not for use in atmospheres immediately dangerous to life or health.
C - Do not exceed maximum use concentrations established by regulatory standards.
J - Failure to properly use and maintain this product could result in injury or death.
M - All approved respirators shall be selected, fitted, used and maintained in accordance with MSHA, OSHA and other applicable regulations.
N - never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
O - Refer to User’s Instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
P - NIOSH does not evaluate respirators for use as surgical masks.

Rev F: 11-19-07

34-8718-4394-1
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