NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Jiande Chaomei Daily Chemicals Co. Ltd.
Model Tested: F-Y3-A Medical Protective Masks
Date Tested: April 29, 2020

These findings pertain to the Jiande Chaomei Daily Chemicals Co. Ltd., F-Y3-A Medical Protective Masks. The labeling for these respirators indicate they meet GB19083-2010. This is the Chinese standard for Technical Requirements for Protective Face Mask for Medical Use.

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.

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 99.68% and 97.75%, 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.

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 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-SP-0059  
**Date Tested:** April 29, 2020  
**Report Prepared:** May 1, 2020  
**Manufacturer:** Jiande Chaomei Daily Chemicals Co. Ltd.  
**Item Tested:** F-Y3-A Medical Protective Masks  
**Country of Certification:** China (GB19083-2010)

<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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</thead>
<tbody>
<tr>
<td>1</td>
<td>85</td>
<td>11.2</td>
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<td>8.6</td>
<td>1.69</td>
<td>1.69</td>
<td>98.31</td>
</tr>
</tbody>
</table>

Minimum Filter Efficiency: 97.75  
Maximum Filter Efficiency: 99.68

- 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.
医用防护口罩使用说明书

【产品名称】医用防护口罩（以下简称口罩）
【产品标准】GB2626-2006
【适用范围】该产品适用于医疗工作环境下，过滤空气中颗粒物，阻隔飞沫、血液、体液、分泌物等。
【产品性能】过滤效率≥95%
【主要结构组成】产品由口罩本体、鼻夹、松紧带、松紧带调节扣组成。其中口罩本体由无纺布、熔喷过滤材料（KN95等级）复合而成。鼻夹采用聚丙烯（PP）包裹金属丝制成。
【使用前需进行的检查】
1. 使用前请检查包装是否完好，包装破损，禁止使用；
2. 检查松紧带是否完好，如松紧带存在断裂、焊接不牢固等现象，请立即更换口罩。
【使用方法】
1. 将口罩拉伸展开，让松紧带自由地悬垂；
2. 将上方头带拉过头顶，置于头顶上方；
3. 将下方头带拉过头顶，置于颈后耳朵下方；
4. 使用双手食指，从鼻夹中部开始，塑造鼻夹的形状，直至鼻夹完全按压成鼻梁形状为止，以确保密合性；
5. 每次佩戴后，必须进行佩戴气密性检查：双手捂住口罩，呼气，若感觉有气体从鼻夹处漏出，按照步骤4重新调整鼻夹，若感觉气体从口罩两侧漏出，请调整松紧带。
【储存要求】
包装后的口罩应贮存在相对湿度不超过80%，无腐蚀性气体和通风良好的清洁室内。
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