NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Guangzhou Powecom Labor Insurance Supplies Co., Ltd.
Model Tested: Powecom KN95 Protective Mask
Date Tested: May 19, 2020

These findings pertain to the Guangzhou Powecom Labor Insurance Supplies Co., Ltd., Powecom KN95 Protective Mask. The packaging for this product indicates that it meets GB2626-2006 (the Chinese standard for Respiratory Protective Equipment – Non-Powered Air-Purifying Particle Respirator).

Ten respirators were submitted for evaluation. The samples were tested using a modified version of NIOSH Standard Test Procedure (STP) TEB-APR-SP-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 94.87% and 93.19%, respectively. All ten respirators measured less 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).
Test: Modified TEB-APR-STP-0059
Date Tested: May 19, 2020
Report Prepared: May 20, 2020
Manufacturer: Guangzhou Powecom Labor Insurance Supplies Co., Ltd.
Item Tested: Powecom KN95 Protective Mask
Country of Certification: China (GB2626-2006)

<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>
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<td>5.5</td>
<td>1.84</td>
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</table>

Minimum Filter Efficiency: 93.19  
Maximum Filter Efficiency: 94.87

- 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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MTT-2020-134.3
APR 21, 2020
DOM: BATCH #3
V.2 (with etching)
"Paceem"
产品性能：
1. 采用超细纤维静电喷布复合ES热熔胶膜，PP纺粘无纺布，形成四重过滤层，更有效过滤有害物，符合国标KN95级别。
2. 按人体验型工程学设计3D立体形状，确保密合性的同时增加了口罩的呼吸容积，大大提升透气性，令佩戴、呼吸更舒适。

佩戴方法：
将口罩打开，有鼻梁条居上，佩戴后按压鼻梁部密合，防护效果更佳。

使用范围：
适用于防护粉尘、PM2.5雾霾颗粒物、流感细菌、飞沫等有害颗粒物。本品具有防风防寒功能。

产品名称：自吸过滤式防颗粒物呼吸器（随弃式）
产品型号：KN95 有有效期：3年 生产日期：见合格证
本品执行标准：GB2626-2006 KN95
储存条件：湿度<80%，无腐蚀性气体和通风良好的清洁室内

注意事项：
1. 为保证口罩卫生干净，使用前请勿接触口罩内外
2. 每次使用后应将口罩清洗或消毒，使用后请将使用过的口罩密闭存放
3. 避免将口罩放在污染的环境中

生产商：
广州市康为医疗用品有限公司
地址：广州市花都区狮岭镇园内路43号
电话：020-36092189

注：实际生产以生产日期后的字母代码为准
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