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 and labeling 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-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 98.91% and 98.60%, 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).
Evaluation of International Respirators

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>
<td>85</td>
<td>10.8</td>
<td>1.17</td>
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<td>98.83</td>
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<td>85</td>
<td>10.3</td>
<td>1.17</td>
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<td>11.3</td>
<td>1.09</td>
<td>1.09</td>
<td>98.91</td>
</tr>
</tbody>
</table>

Minimum Filter Efficiency: 98.60
Maximum Filter Efficiency: 98.91

- 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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产品性能：
1. 采用超细纤维熔喷布复合ES热风棉、PP熔喷无纺布，形成四重过滤层，更有效过滤有害物，符合国标KN95级别。
2. 体面加工程学设计3D立体形状，确保密合的同时增加了口罩的呼吸容积。
大、提升透气性，令呼吸、呼吸更舒适。

佩戴方法：
将口罩打开，有鼻梁条那面，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、微生物细菌、飞沫等有害颗粒物。本品具有防风防寒功能。

产品名称：自吸过滤式防尘颗粒物呼吸器（随弃式）
产品型号：KN95 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：湿温度<80%。无腐蚀性气体和通风良好的清洁室内

使用前，使用者必须阅读并了解正确使用方法，保存并放置于阴凉干燥处。

商标持有人及销售方：
保为康集团有限公司
地址：广州市越秀区越秀区越秀大道11号正新12楼3A
电话：020-34891969

广药股份有限公司
地址：广州市越秀区越秀区越秀大道11号正新12楼3A
电话：020-34892062

生产方：
广州保为康医疗用品有限公司 (A)
地址：广州市花都区龙口镇新街45号
电话：020-36090232

广州保为康医疗用品有限公司 (B)
地址：广州市花都区龙口镇新街45号
电话：020-36092189

注：使用前请仔细阅读使用说明书内容
NPPTL COVID-19 Response: International Respirator Assessment
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