NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Raxwell Industrial Technology (Shanghai) Co., Ltd.
Model Tested: RX9501
Date Tested: June 18, 2020

These findings pertain to the Raxwell Industrial Technology (Shanghai) Co., Ltd., model RX9501. The packaging and labeling for this product indicate that it meets GB2626-2006 (the Chinese standard for Respiratory Protective Equipment – Non-Powered Air-Purifying Particle Respirator).

Thirty respirators were submitted for evaluation. The respirators were sampled into groups of ten 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 99.69% and 99.32%, respectively. All thirty 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)](https://www.cdc.gov/).
Evaluation of International Respirators

NPPTL COVID-19 Response: International Respirator Assessment

Test: Modified TEB-APR-STP-0059

Date Tested: June 18, 2020

Report Prepared: June 18, 2020

Manufacturer: Raxwell Industrial Technology (Shanghai) Co., Ltd.

Item Tested: RX9501 (Sample Group 1 of 3)

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>
</tr>
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<tbody>
<tr>
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</table>

Minimum Filter Efficiency: 99.32  Maximum Filter Efficiency: 99.69

- 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

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

**Date Tested:** June 18, 2020

**Report Prepared:** June 18, 2020

**Manufacturer:** Raxwell Industrial Technology (Shanghai) Co., Ltd.

**Item Tested:** RX9501 (Sample Group 2 of 3)

**Country of Certification:** China (GB2626-2006)

<table>
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<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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</table>

Minimum Filter Efficiency: 99.40

Maximum Filter Efficiency: 99.64

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NPPTL COVID-19 Response: International Respirator Assessment

**Test:** Modified TEB-APR-STP-0059  
**Date Tested:** June 18, 2020  
**Report Prepared:** June 18, 2020  
**Manufacturer:** Raxwell Industrial Technology (Shanghai) Co., Ltd.  
**Item Tested:** RX9501 (Sample Group 3 of 3)  
**Country of Certification:** China (GB2626-2006)

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<tbody>
<tr>
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</tr>
</tbody>
</table>

Minimum Filter Efficiency: **99.42**  
Maximum Filter Efficiency: **99.66**

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存储条件
本产品需储存于通风良好、避光、干燥的环境中，远离火源、污染物。
储存温度：-20℃至38℃之间，相对湿度<80%。
储存期限：5年

使用说明
1. 不按照说明使用口罩或在污染环境中佩戴不当，会严重影响口罩的
   佩戴效果并可能导致疾病、受伤甚至死亡。
2. 使用前，佩戴者必须首先经过口罩正确用法的培训，并遵循相关的
   安全及健康标准。
3. 建议佩戴者在使用前进行佩戴测试，参考国内相关规章制度。
4. 如果出现以下情况，请丢弃或更换口罩：
   - 口罩聚集过多的病菌而呼吸困难。
   - 口罩破损。
5. 如果出现头晕、刺激等不适，请离开污染区域。
6. 本口罩是为职业/专业的成年人士设计，本口罩不适用于儿童。

佩戴方式
1. 鼻夹向外，双手分别拉住一边耳带，确保鼻夹向上。
2. 戴上口罩，下巴置于口罩内，双手将耳带扣于耳后。
3. 调节至舒适位置，使口罩贴合面部。
4. 将双手的食指及中指按压调节鼻夹，直至紧贴鼻梁。

用途
用于防止吸入生产加工过程中所产生的微粒及喷洒作业中所产生的
液体。

瑞鑫维讯工业科技（上海）有限公司
Raywell Industrial Technology (Shanghai) Co., Ltd.
地址：上海市浦东新区成山路1077号浦发大厦5楼
Address：5F Surplus Building, No. 1077,
Zhejiang Rd, Pudong New District, Shanghai, China.
服务热线：400-821-4000
服务热线：上海快易通实业有限公司
制造地址：上海市奉贤区上海1020号2栋
生产许可证编号：2012302-021-00083
Raxwell
自吸过滤式防颗粒物呼吸器
随弃式面罩（耳带式）
RX9501

内侧鼻梁垫，柔软贴合

聚酯纤维织带，舒适透气

静电驻极熔喷布，高效过滤

KN95标准
符合标准：GB2626-2006 KN95

50个
IMPORTANT

Before use, the wearer must read and understand these instructions; keep these instructions for reference. See information supplied by the manufacturer.

USES:

Mechanical generated dusts, mists from processing materials, including coal, iron ore, wheat, cotton, flour and certain other substances in concentrations up to ten times the Occupational Exposure Standard or according to local OSHA or USEP requirements, and for protection against gases and vapors. Not for use in all media atmospheres.

STORAGE CONDITIONS AND SHELF LIFE:

Shelf life of unopened product is 5 years from date of manufacture when stored within temperature range of -20°C to 35°C and at less than 60% relative humidity.

FITTING INSTRUCTIONS:

1. With respirator facing away from you, hold the earloop straps in each hand with the nosepiece at
2. Position the respirator under the chin.
3. Pull each strap over the ear. Adjust as comfortable as possible.
4. Make the nosepiece to the shape of the nose bridge by pushing inward while moving your finger back down both sides.

Step 1  Step 2  Step 3  Step 4
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