NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Guangzhou Sunjoy Auto Supplies Co., Ltd.
Model Tested: SUNJOY K1 – Head Band Folding Type
Date Tested: June 20, 2020

These findings pertain to the Guangzhou Sunjoy Auto Supplies Co., Ltd., model SUNJOY K1 – Head Band Folding Type. 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 97.36% and 89.00%, respectively. Fifteen respirators measured more than 95%. Fifteen 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.

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).
### Evaluation of International Respirators

**Test:** Modified TEB-APR-STP-0059  
**Date Tested:** June 20, 2020  
**Report Prepared:** June 20, 2020  
**Manufacturer:** Guangzhou Sunjoy Auto Supplies Co., Ltd.  
**Item Tested:** SUNJOY K1 – Head Band Folding Type (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>
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Minimum Filter Efficiency: 89.00  
Maximum Filter Efficiency: 96.97

- 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 20, 2020

**Report Prepared:** June 20, 2020

**Manufacturer:** Guangzhou Sunjoy Auto Supplies Co., Ltd.

**Item Tested:** SUNJOY K1 – Head Band Folding Type (Sample Group 2 of 3)

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

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Minimum Filter Efficiency: 93.58  
Maximum Filter Efficiency: 97.36

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NPPTL COVID-19 Response: International Respirator Assessment

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

**Date Tested:** June 20, 2020

**Report Prepared:** June 20, 2020

**Manufacturer:** Guangzhou Sunjoy Auto Supplies Co., Ltd.

**Item Tested:** SUNJOY K1 – Head Band Folding Type (Sample Group 3 of 3)

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

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</table>

Minimum Filter Efficiency: 92.78

Maximum Filter Efficiency: 97.03

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PRODUCT PERFORMANCE STRUCTURE AND COMPOSITION

This product is made of mask body nose clip and mask band
Polypropylene (PP) non-woven fabric on the top / bottom
Layer 2/3 is polypropylene (PP) melt blown fabric
The third 3/4 layer is polypropylene (PP) hot air cotton

Composition: Melt-Blown Fabric 25%, Non-Woven Fabric 45%, Hot Air Cotton 30%

PRECAUTIONS, WARNINGS

1. Do not re-fit or abuse this product.
2. When the product is damaged, contaminated or difficult in breathing. Leave the polluted environment and replace the product.
3. Warning: Use the mask no more than once.
4. This product does not supply oxygen. Do not use in atmospheres containing less than 19.5% oxygen.
5. Use with caution to people who are allergic to non-wovens.

STORAGE CONDITIONS AND SHELF LIFE

Before usage, keep the mask in its original packaging. Keep away from direct sunlight, dust, contaminated areas, extreme temperatures, excessive moisture and dangerous chemicals.
Storage Temperature Range: -20°C to +30°C
Storage Maximum Relative Humidity: <80%
Shelf Life: 3 years from date of manufacture

Standard: GB 2626-2006 KN95
Package Dimensions: 245 X 175mm
Item Packaging: 10 PCS/Bag

Production Date: See Product Certification
Manufacturer: GUANGZHOU SUNJOY AUTO SUPPLIES CO., LTD.
Company Address: XIKAN INDUSTRIAL ZONE, KENGDUO, NANCUN TOWN, PANYU DISTRICT, GUANGZHOU, GUANGDONG, CHINA
Company Website: WWW.SUNJOY-PROTECTION.COM
Service Hotline: 400 618 9688
合格证
(非医用)

产品品牌：SUNJOY
产品名称：自吸过滤式防护口罩KN95
产品原名：日常防护型口罩(折叠型)
产品型号：头带式折叠型K
产品规格：105X155mm（折叠）
材料成分：熔喷布25%，无纺布45%，PTFE滤棉30%
执行标准：GB2626-2006 KN95
产品等级：一等品
生产批次：2020/05/17
生产日期：
有效期：在规定的条件下储藏，有效期为3年
生产商：广州三驹汽车用品有限公司
生产地址：广州市番禺区南村镇坑头西线工业区
公司网址：www.sunjoy-protection.com
服务热线：400 618 9688
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