

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)

Pictures have been added to the end of this report.

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
1	85	20.7	4.90	4.90	95.10
2	85	18.8	6.01	6.01	93.99
3	85	16.2	9.60	9.60	90.40
4	85	17.9	7.02	7.02	92.98
5	85	15.5	6.78	6.78	93.22
6	85	19.3	5.99	5.99	94.01
7	85	14.3	6.24	6.24	93.76
8	85	14.8	7.31	7.31	92.69
9	85	15.6	3.03	3.03	96.97
10	85	15.6	11.00	11.00	89.00
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.

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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)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
11	85	16.2	4.51	4.51	95.49
12	85	16.7	5.79	5.79	94.21
13	85	15.6	3.88	3.88	96.12
14	85	18.4	2.81	2.81	97.19
15	85	13.8	6.42	6.42	93.58
16	85	21.7	3.82	3.82	96.18
17	85	20.2	2.81	2.81	97.19
18	85	16.7	3.15	3.15	96.85
19	85	15.0	5.25	5.25	94.75
20	85	27.2	2.64	2.64	97.36
Minimum Filter Efficiency: 93.58			Maximum Filter Efficiency: 97.36		

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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)

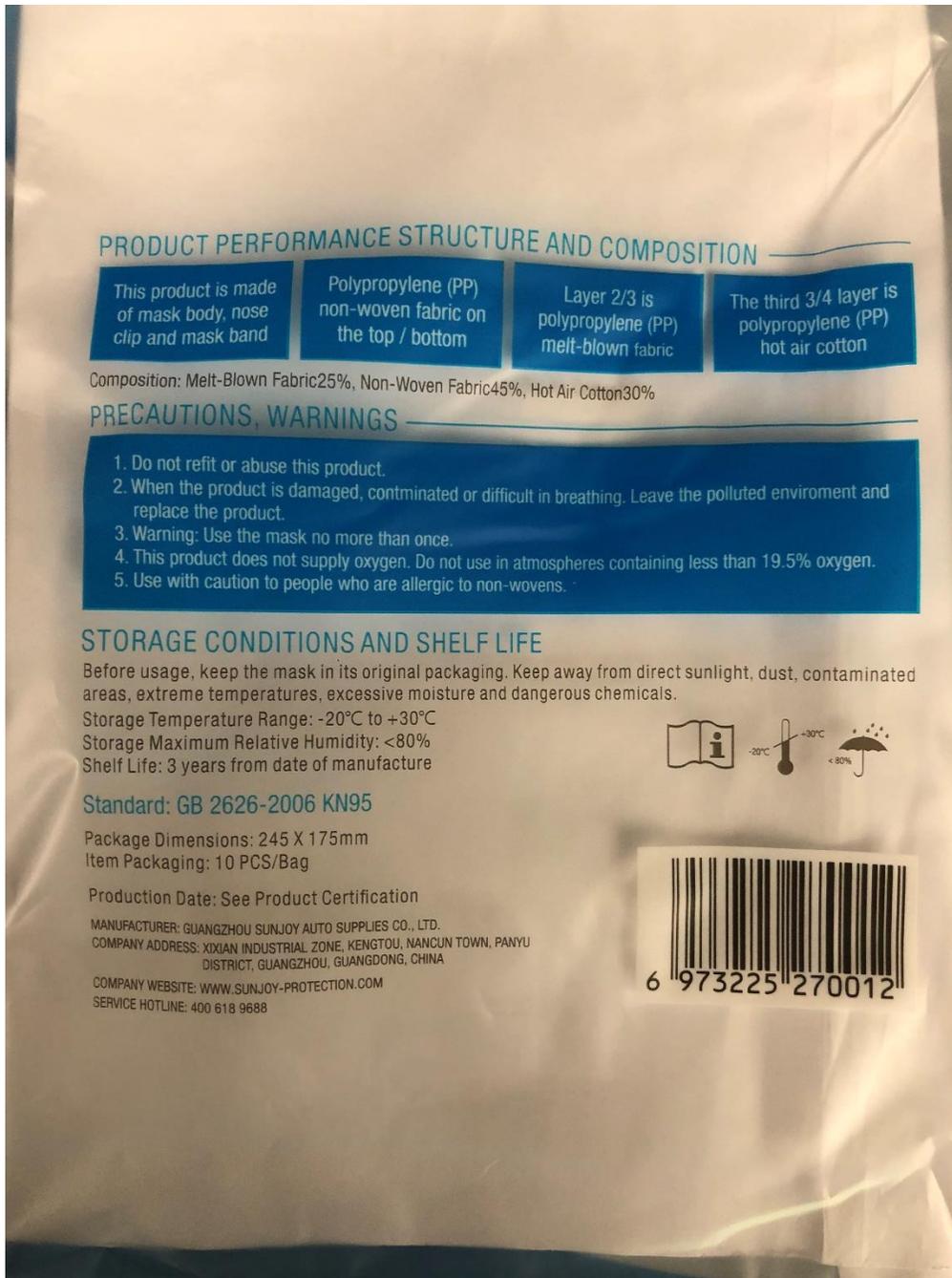
Country of Certification: China (GB2626-2006)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
21	85	17.6	5.29	5.29	94.71
22	85	20.5	3.42	3.42	96.58
23	85	15.3	4.73	4.73	95.27
24	85	15.4	5.62	5.62	94.38
25	85	14.8	7.22	7.22	92.78
26	85	16.9	2.97	2.97	97.03
27	85	16.7	3.62	3.62	96.38
28	85	14.7	5.87	5.87	94.13
29	85	18.4	3.41	3.41	96.59
30	85	16.8	4.79	4.79	95.21
Minimum Filter Efficiency: 92.78			Maximum Filter Efficiency: 97.03		

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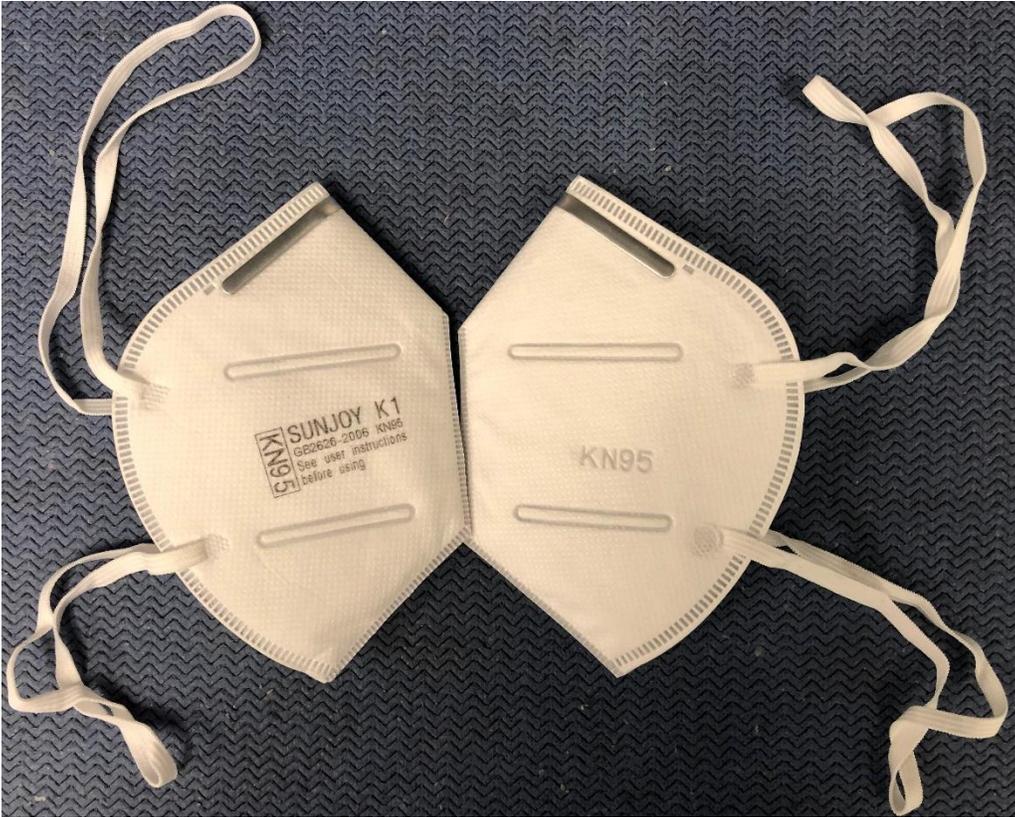
合格证 (非医用)

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KN95
产品规格：105X155mm(折叠)
材料成分：熔喷布25%，无纺布45%，热风棉30%
执行标准：GB 2626-2006 KN95
产品等级：一等品
生产批次：
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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