

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Guangzhou Sunjoy Auto Supplies Co., Ltd.

Model Tested: K1 Self Suction Filter Respirator

Date Tested: May 6, 2020

These findings pertain to the Guangzhou Sunjoy Auto Supplies Co., Ltd., K1 Self Suction Filter Respirator. 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).

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 43.70% and 12.30%, 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.

This product has a head band/strap. 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 6, 2020

Report Prepared: May 7, 2020

Manufacturer: Guangzhou Sunjoy Auto Supplies Co., Ltd.

Item Tested: K1 Self Suction Filter Respirator

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	8.0	68.1	68.1	31.90
2	85	9.5	62.0	62.0	38.00
3	85	7.7	64.1	64.1	35.90
4	85	9.4	64.7	64.7	35.30
5	85	2.5	82.6	87.7	12.30
6	85	8.0	65.9	65.9	34.10
7	85	8.7	67.3	67.3	32.70
8	85	9.0	63.7	63.7	36.30
9	85	10.5	56.3	56.3	43.70
10	85	5.1	74.2	74.8	25.20
Minimum Filter Efficiency: 12.30			Maximum Filter Efficiency: 43.70		

- 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.



· 雾霾, 颗粒物 (PM2.5) 防护 ·
自吸过滤式防护口罩 KN95 (随弃型)

自吸过滤式防护口罩

产品性能结构及组成

本产品由罩体、
鼻梁、口罩带制成

首 / 四层为聚丙烯
(PP) 无纺布

第二层为聚丙烯
(PP) 熔喷布

第三层为聚丙烯
(PP) 热风棉

产品适用范围及用途: 本产品可用于某些非油性颗粒物的呼吸防护, 如灰尘、花粉、各类生产性粉尘和没有挥发性的雾等空气污染物, 可作为对环境空气污染细颗粒物 (PM2.5) 的最基本防护。
使用说明: 佩戴在口鼻处。

注意事项、警示及提示性说明

- ① 产品有效期 5 年, 请在有效期内使用。
- ② 可重复使用, 用后销毁。
- ③ 包装破损, 禁止使用。
- ④ 对非织造布过敏者慎用。
- ⑤ 使用前应参考使用说明。

正确的使用方法



- ① 用打开的防护口罩盖住口鼻, 使鼻夹位于鼻梁位置, 一只手固定住口罩, 另一只手把上头带拉过头顶, 放在脑后较高的合适位置。
- ② 将下头带拉过头顶, 放在耳朵下方的颈后合适位置。
- ③ 为获得舒适的密合性, 用一只手按住鼻夹, 另一只手牵拉防护口罩下边缘托住下巴, 确认口罩边缘与脸部贴合密实。
- ④ 双手指尖从鼻梁中点向两侧按压鼻夹, 使鼻夹与鼻梁及脸部形成良好的密合。



禁忌症: 无

特殊存储条件和方式: 存储在相对湿度不超过80%无腐蚀性气体和通风良好的室内, 避免高温。

有效期: 在规定的条件下储藏, 有效期为 5 年。

生产日期: 见合格证。

执行标准: GB 2626-2006

批准文号: 穗番市监内变字【2020】第 26202002240270 号

生产企业: 广州三驹汽车用品有限公司

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