

## NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Nuokang Medical

Model Tested: KN95

Date Tested: July 30, 2020

These findings pertain to the Nuokang Medical, Model KN95. The packaging 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 99.80% and 64.20%, respectively. Six of the 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.

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 respirators 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:** July 30, 2020

**Report Prepared:** July 31, 2020

**Manufacturer:** Nuokang Medical

**Item Tested:** KN95

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

Pictures have been added to the end of this report.

| Filter                                  | Flow Rate (LPM) | Initial Filter Resistance (mmH <sub>2</sub> O) | Initial Percent Leakage (%)             | Maximum Percent Leakage (%) | Filter Efficiency |
|---|-----------------|--|---|-----------------------------|-------------------|
| 1                                       | 85              | 6.3  | 1.08                                    | 9.58                        | 90.42             |
| 2                                       | 85              | 7.4  | 20.2                                    | 20.2                        | 79.80             |
| 3                                       | 85              | 6.6  | 0.20                                    | 0.20                        | 99.80             |
| 4                                       | 85              | 8.8  | 0.23                                    | 0.23                        | 99.77             |
| 5                                       | 85              | 5.0  | 24.1                                    | 24.3                        | 75.70             |
| 6                                       | 85              | 6.3  | 1.00                                    | 4.57                        | 95.43             |
| 7                                       | 85              | 13.7   | 35.8                                    | 35.8                        | 64.20             |
| 8                                       | 85              | 7.0  | 16.5                                    | 16.5                        | 83.50             |
| 9                                       | 85              | 12.2   | 29.8                                    | 29.8                        | 70.20             |
| 10                                      | 85              | 8.3  | 0.34                                    | 1.04                        | 98.96             |
| <b>Minimum Filter Efficiency: 64.20</b> |                 |  | <b>Maximum Filter Efficiency: 99.80</b> |                             |                   |

- 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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**诺康医疗** Nuokang Medical **KN95 颗粒物防护口罩**

**使用图示**



1. 拆开口罩，请认真阅读  
包装内的使用说明书。  
白色为外侧，蓝色为内侧。
2. 鼻梁向上固定在鼻梁处，  
双手按压鼻梁处使其贴合  
双眼。
3. 调整口罩上缘，耳部的  
松紧，确保密封良好。
4. 口罩使用后，请折成  
两折放入袋子再进行丢弃。  
保护环境，人人有责。

**注意事项**

1. 本产品请储存在清洁、卫生、通风、干燥的地方，不可水洗，不可自行改造；
2. 请勿与他人交互使用；
3. 请妥善保管，儿童请在大人的监督指导下使用；
4. 包装破损请勿使用，不卫生、不适合继续使用时请更换新口罩。

生产日期: 2020-04-18  
批次: NK-3A-01 检 242827

【产品名称】KN95 颗粒物防护口罩  
【材质】熔喷无纺布、耳挂、弹力尼带  
【执行标准】GB 2626-2006  
【规格】19cmX13cm  
【数量】1片/袋  
【有效期】包装未拆封三年

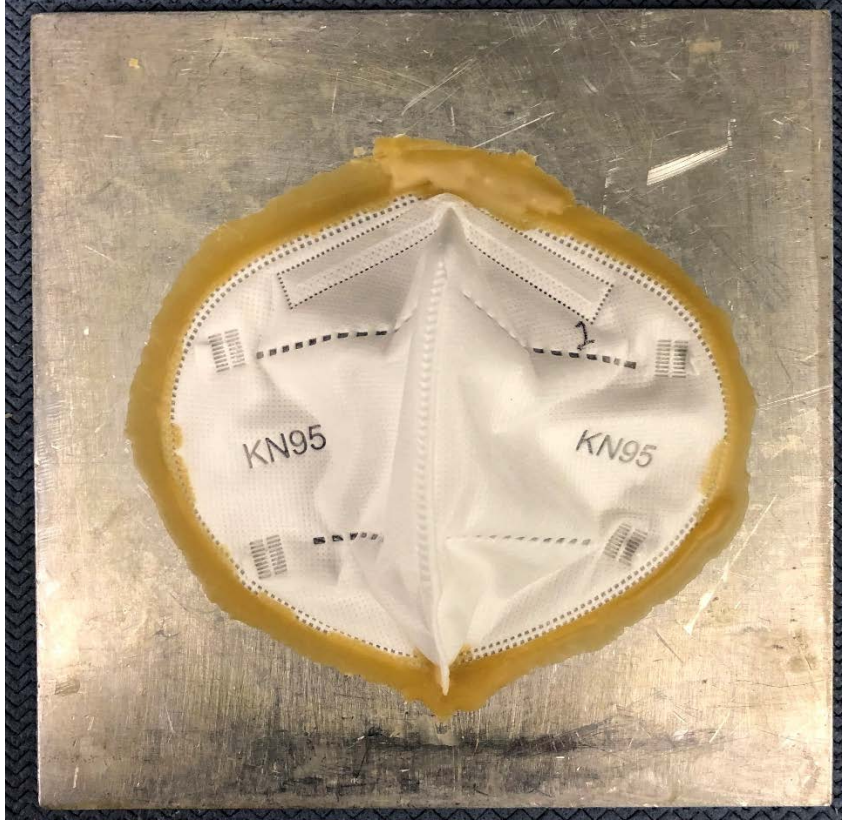
【制造商】广东省诺康医疗科技有限公司  
【生产地址】广东省东莞市厚街镇  
【服务电话】0769-81266777  
【网站】www.nuokang.net



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