

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Guangzhou Meisu Industry Co., Ltd

Model Tested: MS-KN95-01

Date Tested: July 30, 2020

These findings pertain to the Guangzhou Meisu Industry Co., Ltd, Model MS-KN95-01. 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 43.20% and 23.20%, respectively. All 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: August 1, 2020

Manufacturer: Guangzhou Meisu Industry Co., Ltd

Item Tested: MS-KN95-01

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	6.6	76.8	76.8	23.20
2	85	7.8	68.8	68.8	31.20
3	85	4.9	66.1	66.1	33.90
4	85	7.9	68.8	68.8	31.20
5	85	8.3	56.6	56.8	43.20
6	85	5.1	66.4	66.4	33.60
7	85	6.7	75.2	75.2	24.80
8	85	8.0	64.1	64.1	35.90
9	85	5.1	66.7	66.7	33.30
10	85	7.3	61.4	61.4	38.60
Minimum Filter Efficiency: 23.20%			Maximum Filter Efficiency: 43.20%		

- 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.

MTT-2020-330.6



A PROTECTION LEVEL \geq 95%



KN95

**SELF-INHALATION FILTER TYPE
PARTICLES RESPIRATOR**

50 pcs

Effectively block particles such as haze, dust and pollen.
soft and adjustable elastic ear loops is for comfortable fitting



INSTRUCTIONS

1. It is necessary to choose masks properly. Users are supposed to receive professional training before fitting, so as to properly put on the respirator in a safe and healthy way.
2. This product does not offer oxygen, and it only can be used in a place with ventilation and adequate oxygen.
3. Please discard the respirator or wear a new one under the following circumstances:
 - A. Excessive clogging of the respirator causes breathing difficulty
 - B. The respirator becomes damaged.
4. Leave the contaminated area if dizziness, irritation or other distress occurs.

3D STEREO DISPOSABLE MASK

Product Name : Self-inhalation Filter Type Particles Respirator
Shelf Life : 3 years
Product Model : MS-KN95-01
Product Type : Disposable Respirator(Non Medical)
Executive Standard : GB2626-2006
Production Date : On the seal
Production Company : Guangzhou Meisu Industry Co.,Ltd.
Production Address : Room 101, Building 5 ,No. 58 Zhushui 1st Road,
Shenshan, Jianggao Town Baiyun District , Guang
zhou, Guangdong, 510450, CHINA



Made in China



A PROTECTION LEVEL \geq 95%

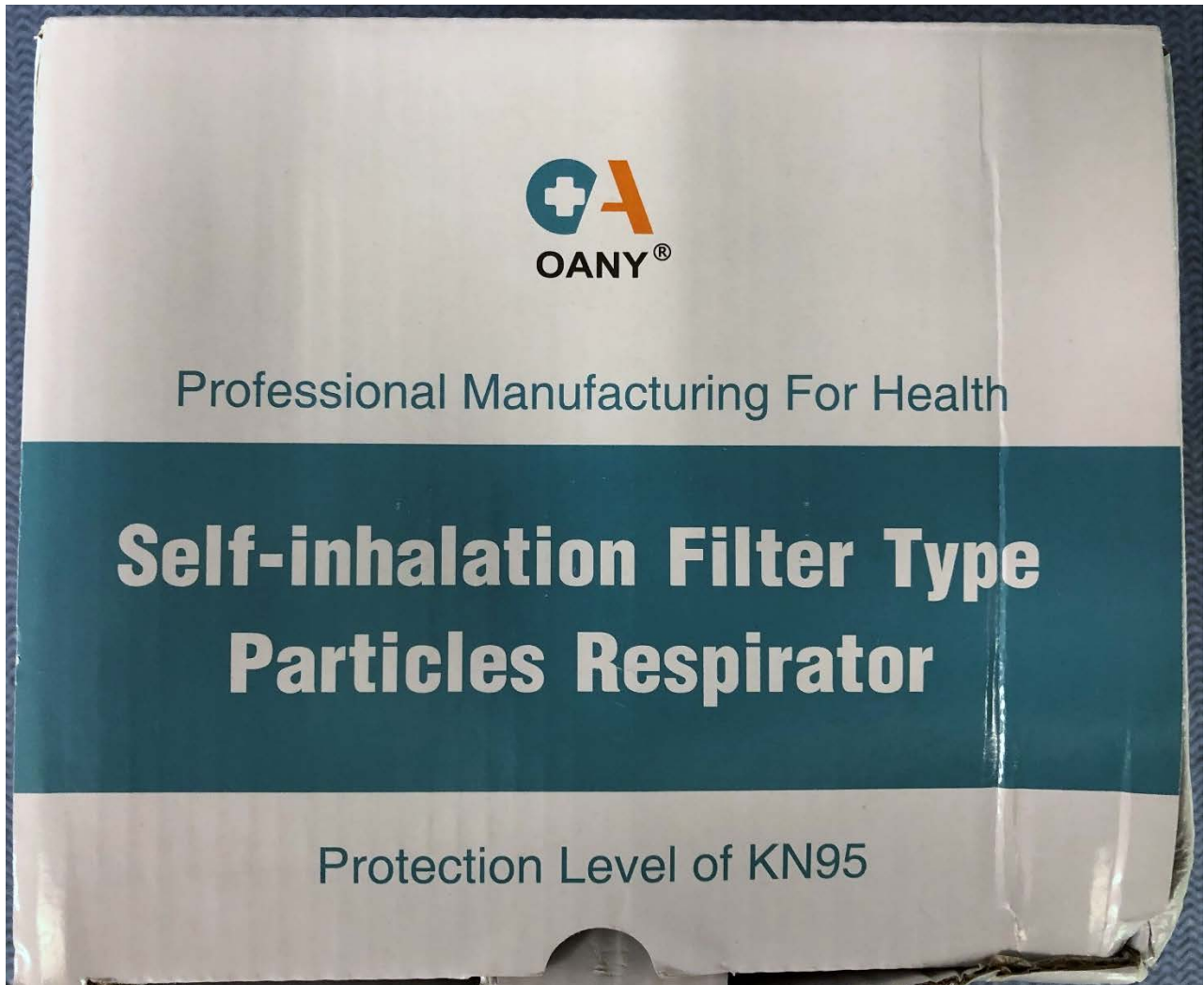
FITTING INSTRUCTIONS



1. Please make sure the respirator side with the nose piece is facing toward your face, and the nose piece is at the top edge of the mask, holding each ear loop with your hands.
2. Fit the mask to your face and under your chin.
3. Put the loops around your ears and adjust the ear loops to ensure the comfort level as much as possible.
4. Place your hands fingers in the middle of the nose piece and move our fingertips along the nose piece to both sides while pressing inward. Or it will impact the fit of the mask if users only use one hand to pinch the nose piece.
5. Before entering the work area, users must test the fit between the mask and face.
 - A. Place both hands over the respirator without disturbing its position.
 - B. If the respirator is not fitted with an exhalation valve, exhale sharply. If the respirator fitted with an exhalation valve, inhale sharply.
 - C. If you detect air-leaks, please follow the step 4 and readjust your nose piece: if the air leaks from the edge of the mask, please readjust the head straps or the position. if it does not work, please repeat the above steps.
 - D. If there are not air-leaks, you can enter the work area.

USE LIMITATIONS

1. Do not use the respirator in the case of low oxygen content, serious air pollution, bad breath or sleeping.
2. Users with severe asthma or other respiratory diseases shall be precautions for application.
3. Please use respirator properly. Do not exchange or abuse respirator, or it will cause serious consequences.
4. The temperature for storage should be -20°C - 38°C , and the relative humidity levels shall be less than 80%.



合格证

该产品经检验合格，准予出厂

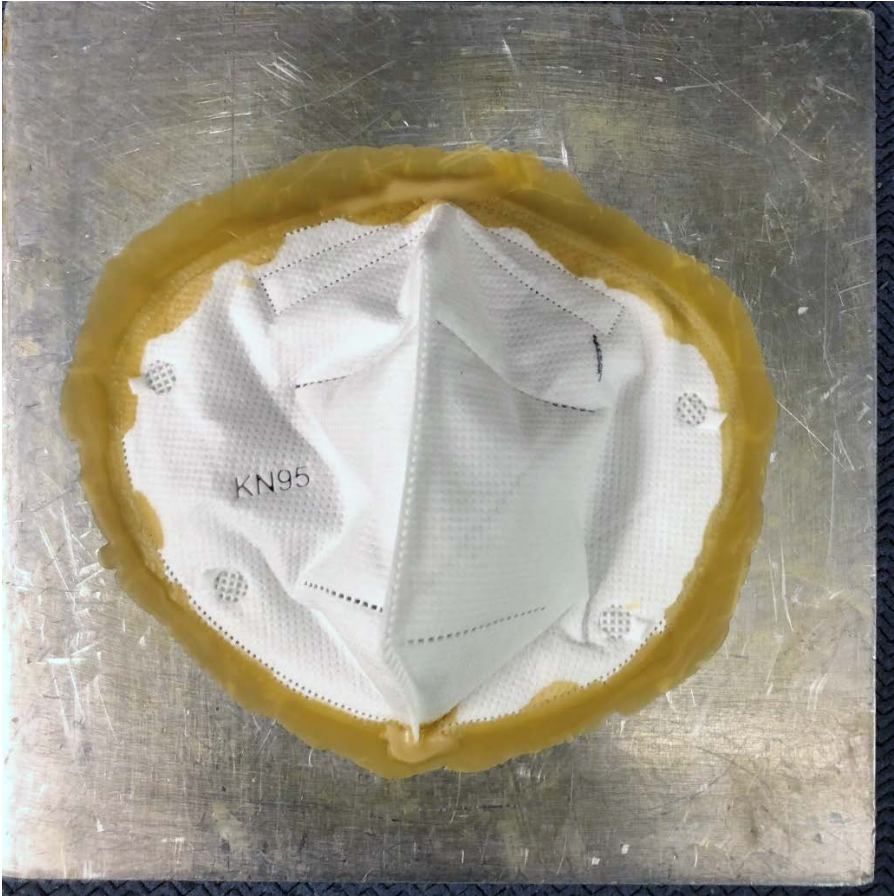
产品名称：一次性民用防护口罩(KN95)(非医用)
产品型号：MS-KN95-01
产品规格：13*10CM
主要材料：70%聚丙烯纤维 30%热风棉
执行标准：GB 2626-2006
产品批号：20200422
生产日期：2020年4月22日
保质期：3年
生产商：广州美塑实业有限公司
生产地址：广州市白云区江高镇神山
珠水一路58号5栋101房
质检员：质检员06



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