

## NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Guangdong Shantou Haimeisi Clothing Co., LTD

Model Tested: Self Suction Filter Particle Respirator

Date Tested: August 3, 2020

These findings pertain to the Guangdong Shantou Haimeisi Clothing Co., LTD, Model Self Suction Filter Particle Respirator. 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 33.80% and 15.00%, 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:** August 3, 2020

**Report Prepared:** August 3, 2020

**Manufacturer:** Guangdong Shantou Haimeisi Clothing Co., LTD

**Item Tested:** Self Suction Filter Particle 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 <sub>2</sub> O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency (%)
1	85	5.3	71.3	71.3	28.70
2	85	4.6	75.8	76.6	23.40
3	85	1.8	83.5	83.5	16.50
4	85	5.3	79.4	79.4	20.60
5	85	4.1	78.3	78.7	21.30
6	85	4.1	73.5	73.5	26.50
7	85	4.7	84.3	85.0	15.00
8	85	5.6	79.9	79.9	20.10
9	85	3.4	76.1	76.1	23.90
10	85	5.4	66.2	66.2	33.80
<b>Minimum Filter Efficiency: 15.00%</b>			<b>Maximum Filter Efficiency: 33.80%</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.



DAILY PROTECTIVE MASK

**KN95**

EXECUTIVE STANDARD:GB2626-2006



Filtration  $\geq$  95%

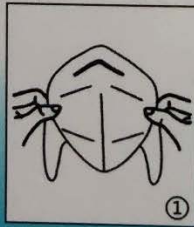
0.3 $\mu$ m

MICRO PARTICLE



10PCS

### WEAR INSTRUCTIONS



1. Pull the elastic belt to the back of the ear, and adjust the mask and elastic belt to feel comfortable
2. Cover the mask with your hands and breathe. If there is gas leaking out, please adjust the mask
3. Unfold the inner side of the mask with both hands so that the nose clip is above the mask
4. Press with both hands' index fingers from both sides of the middle to adjust the iron piece above the mask

MANUFACTURER: GUANGDONG SHANTOU HAIMEISI CLOTHING CO., LTD



DAILY PROTECTIVE MASK

**KN95**

EXECUTIVE STANDARD:GB2626-2006



Filtration  $\geq$  95%

0.3 $\mu$ m

**MICRO PARTICLE**

**SEAMLESS FIT AGAINST MIST**

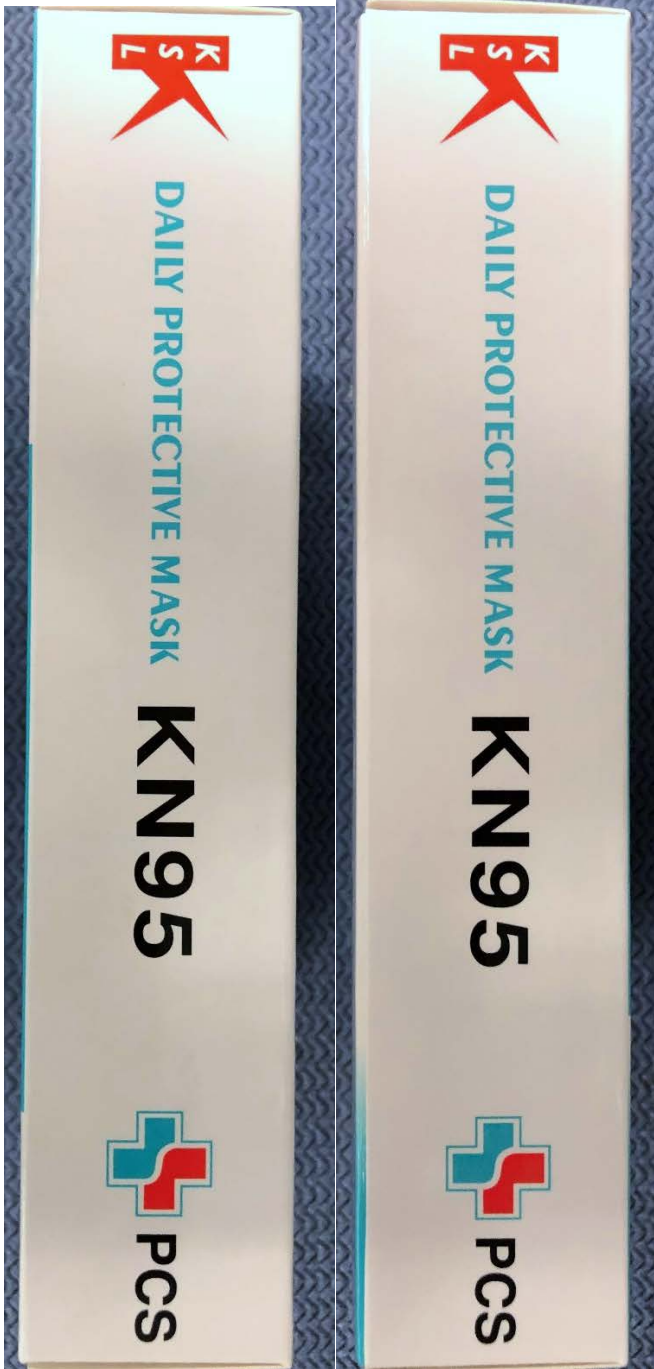
Seamless fit improves the protective function of the mask to prevent the eyeglasses from fogging due to exhalation

**FOLD IN HALF FOR A 3D LOOK**

There is a pair of fold lines in the middle, no glue bonding, the mask is strong and durable, and the shape is more 3D



**10PCS**



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# Certificate

Brand: kangshiluo kn95

Product Name: self suction filter particle respirator

Executive standard: gb2626-2006

Grade: kn95 (non-medical)

Product size: 16x9.5 (+ 0.5) cm

Main raw materials: non-woven fabric,  
melt blown nano layer, hot air cotton

Product color: white

Production batch number: 2020416

Production date: April 16, 2020

Service cycle: one-time      Validity: 2 years

Manufacturer: Shantou haimensi Clothing Co., Ltd

Address: No. 737, laohehui Road, Heping Town,

Chaoyang District, Shantou City

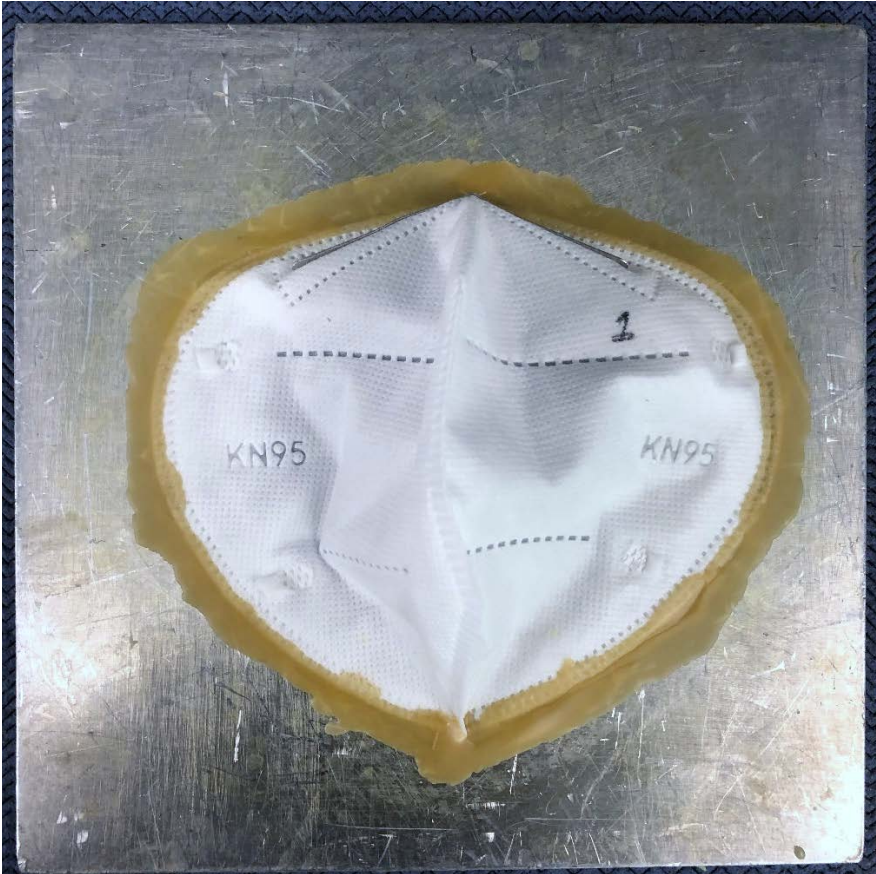


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