

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Anhui Sunshine Home Textile Co., Ltd.

Model Tested: YSM-2008KN

Date Tested: August 24, 2020

These findings pertain to the Anhui Sunshine Home Textile Co., Ltd., model YSM-2008KN. 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 75.30% and 40.70%, 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.

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 24, 2020

Report Prepared: August 24, 2020

Manufacturer: Anhui Sunshine Home Textile Co., Ltd.

Item Tested: YSM-2008KN

Country of Certification: China (GB2626-2006)

Pictures have been added to the end of this report.

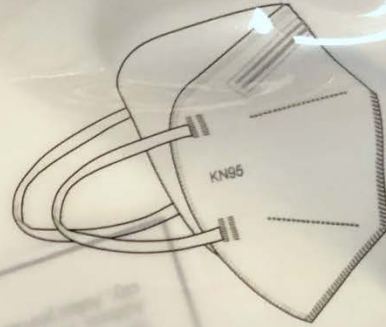
Filter	Flow Rate (LPM)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency (%)
1	85	7.9	59.1	59.1	40.90
2	85	7.8	24.7	24.7	75.30
3	85	6.5	59.0	59.0	41.00
4	85	7.7	59.3	59.3	40.70
5	85	8.0	32.2	32.6	67.40
6	85	6.8	29.3	29.3	70.70
7	85	8.4	30.4	30.7	69.30
8	85	8.0	30.7	30.8	69.20
9	85	6.8	28.4	28.5	71.50
10	85	7.9	26.0	26.3	73.70
Minimum Filter Efficiency: 40.70%			Maximum Filter Efficiency: 75.30%		

- 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.

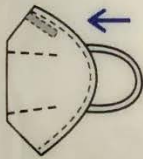


KN95

Self Priming Filter Protection Mask

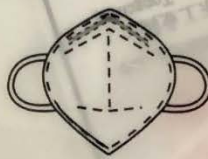


1



1. Face the side of the mask without nose clip, and hold the ear strap with both hands, so that the nose clip is located above the mask

2



2. Put the mask against our chin.

3



3. Pull the ear band behind the ear and adjust the ear band to feel as comfortable as possible

4



4. Put both hands fingers in the middle of the metal nose clip to both sides along the fingertips, until the nose clip is fully pressed into the shape of the bridge of the nose. Using only one hand to hold the nose clip may affect the tightness of the mask.

Product name: Self Priming Filter Protection Mask

Model: YSM-2008KN

Main raw materials: Nonwoven fabric + KN95 filtering meltblown fabric + Hot air cotton

Execution standard: GB2626-2006

Date of production: see certificate of quality

Recommended Duration: no more than 4 hours

Shelf life: three years

ANHUI SUNSHINE HOME TEXTILE CO., LTD.

Address: Fanggang town east industrial park, Tongcheng city, Anhui province, China

Tel: 0086-556-6738999



NPPTL COVID-19 Response: International Respirator Assessment



NPPTL COVID-19 Response: International Respirator Assessment



NPPTL COVID-19 Response: International Respirator Assessment

