

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Huizhou Zhongna Medical Technology Co., Ltd

Model Tested: Anysound KN95 Self-Priming Filter & Anti-Particle Respirator

Date Tested: April 22, 2020

These findings pertain to the Huizhou Zhongna Medical Technology Co., Ltd., Anysound KN95 Self-Priming Filter & Anti-Particle Respirator. The packaging and labeling for this product indicates that it meets GB2626-2006 (the Chinese standard for Respiratory Protective Equipment – Non-Powered Air-Purifying Particle Respirator) and EN149:2001+A1:2009 (the European standard for Respiratory Protective Devices – Filtering Half Masks to Protect Against Particles – Requirements, Testing, Marking).

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](#).

A certificate of approval was not provided with the samples received; therefore, the authenticity of the claims cannot be validated.

The maximum and minimum filter efficiency was 83.41% and 77.30%, 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.

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 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: April 22, 2020

Report Prepared: April 23, 2020

Manufacturer: Huizhou Zhongna Medical Technology Co., Ltd

Item Tested: Anysound KN95 Self-Priming Filter & Anti-Particle Respirator

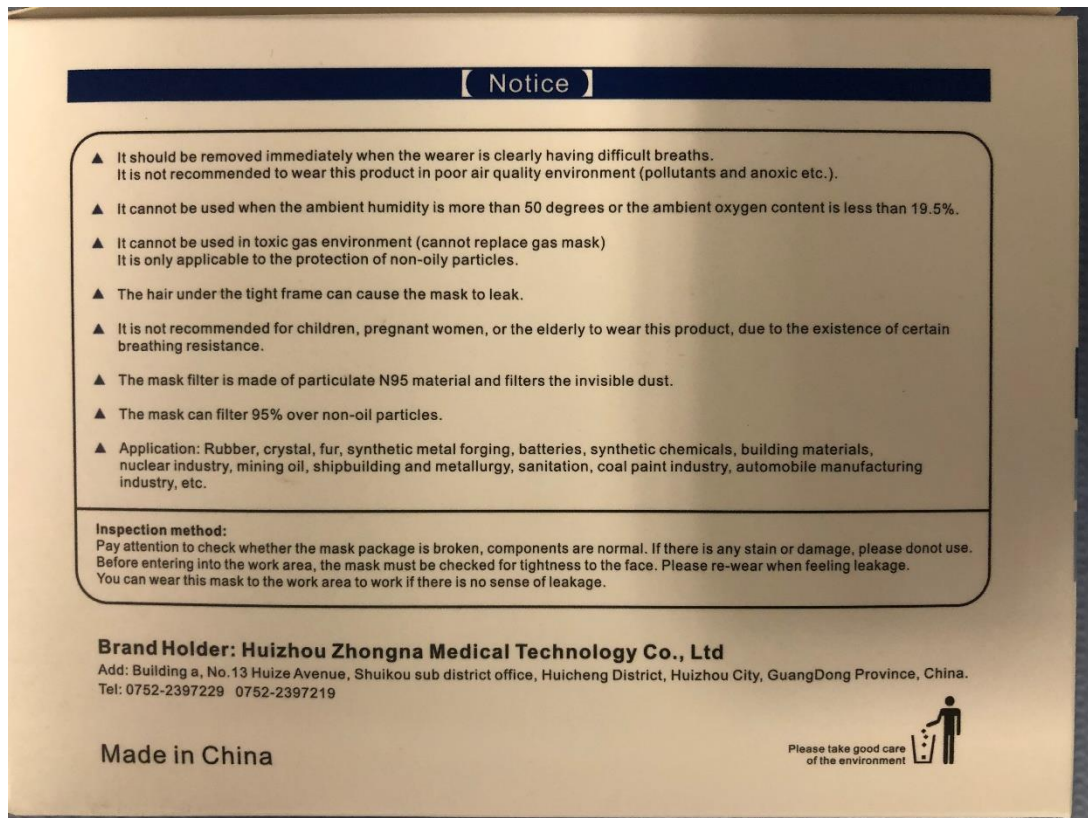
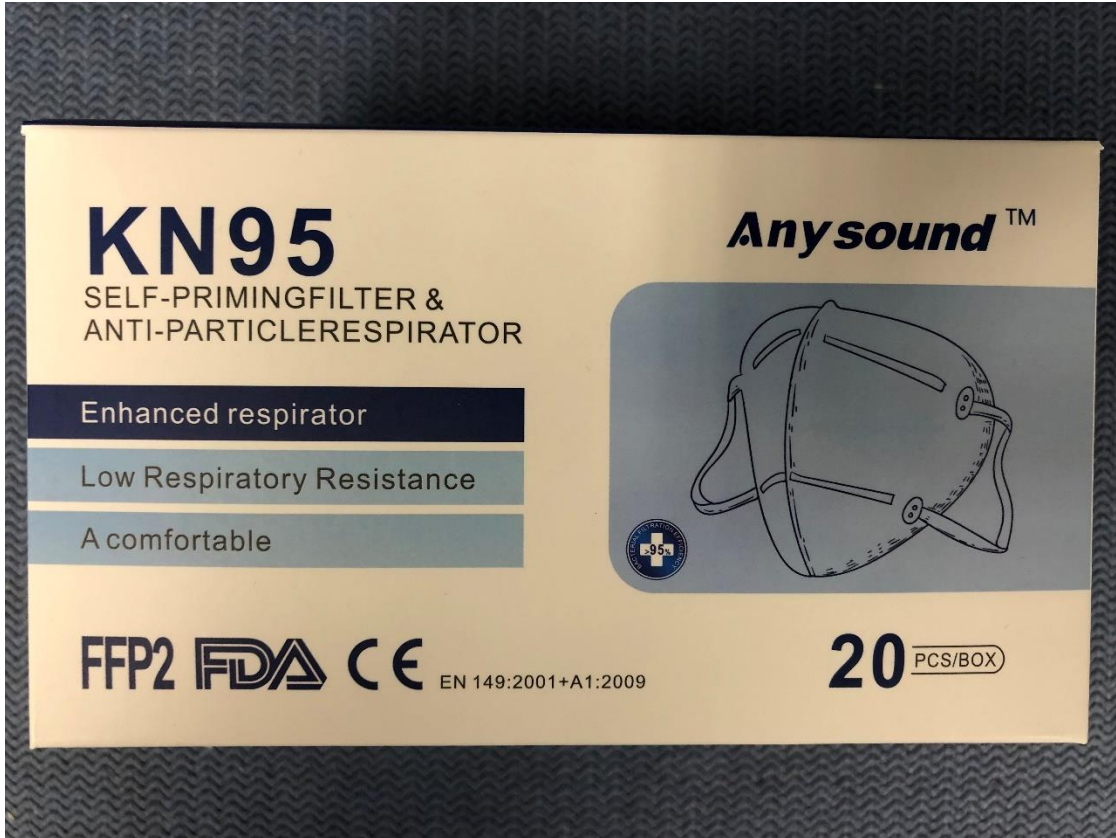
Country of Certification: China (GB2626-2006, EN149:2001+A1:2009)

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	10.0	16.70	16.70	83.30
2	85	8.3	18.50	18.50	81.50
3	85	11.0	16.95	16.95	83.05
4	85	7.2	22.70	22.70	77.30
5	85	9.0	19.00	19.00	81.00
6	85	8.7	17.32	17.32	82.68
7	85	10.1	17.80	17.80	82.20
8	85	9.9	21.70	21.70	78.30
9	85	11.7	16.59	16.59	83.41
10	85	8.9	19.27	19.27	80.73
Minimum Filter Efficiency: 77.30			Maximum Filter Efficiency: 83.41		

- 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.


NPPTL COVID-19 Response: International Respirator Assessment



NPPTL COVID-19 Response: International Respirator Assessment

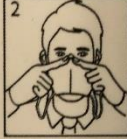
【 Method of Wearing 】

1




Spread the mask with both hands, face the inner side of the mask, and place the nose clip over the mask

2




Press the index finger of both hands from the middle to both sides, and make the bridge stick to the bridge according to the switch plasticity of the bridge

3




Pull the elastic band to the back of the ear, adjust the mask and elastic band to feel comfortable

4




Cover the mask by hand and exhale. If any gas leaks from the edge of the mask, adjust the mask again until no gas leaks


Model:KN95
Product: Protective Mask (Non-sterile)
Material: Non-woven, melt blown filter material
Date of Manufacture: See outer package
Shelf Life:2 years
Executive Standard: EN 149:2001+A1:2009



Do not reuse



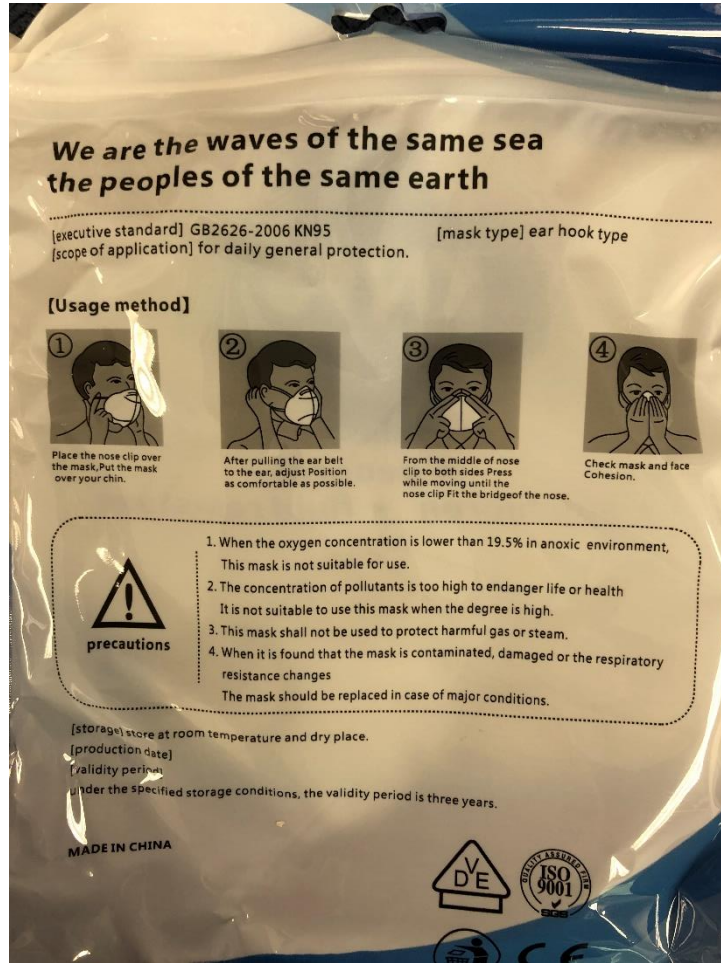
Don't use if package is damaged



Non-Sterile



NPPTL COVID-19 Response: International Respirator Assessment



NPPTL COVID-19 Response: International Respirator Assessment

