

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Jinhua Jiadaifu Medical Supplies Co., Ltd.

Model Tested: KN95 Face Mask (Non-Medical)

Date Tested: May 6, 2020

These findings pertain to the Jinhua Jiadaifu Medical Supplies Co., Ltd., model KN95 Face Mask (Non-Medical). 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 99.57% and 54.90%, respectively. Eight respirators measured more than 95%. Two 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: May 6, 2020

Report Prepared: May 7, 2020

Manufacturer: Jinhua Jiadaifu Medical Supplies Co., Ltd.

Item Tested: KN95 Face Mask (Non-Medical)

Country of Certification: China (Chinese Standard 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	15.7	1.00	1.00	99.00
2	85	17.0	0.48	0.48	99.52
3	85	16.0	0.48	0.48	99.52
4	85	15.5	1.04	1.04	98.96
5	85	15.0	0.50	0.50	99.50
6	85	16.0	0.43	0.43	99.57
7	85	8.6	42.0	42.0	58.00
8	85	17.0	0.49	0.49	99.51
9	85	8.7	45.1	45.1	54.90
10	85	16.5	0.44	0.44	99.56
Minimum Filter Efficiency: 54.90			Maximum Filter Efficiency: 99.57		

- 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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INSTRUCTION FOR USE

It is suitable for filtering non oil particles and oil particles (such as dust, droplets, pollen, catkins, haze, etc.) suspended in the air under special operation or daily living conditions.

WAY OF WEARING




- 1
- 2
- 3
- 4

With the nosepiece away from you, pullout the strap with the nosepiece up.

- Put on the respirator, adjust the position to cover your nose and chin.
- Adjust the nosepiece and press it, make sure the respirator fits your face closely.
- If the respirator is contaminated, mold or wet before use due to inappropriate storage, please dispose.

DR. FAMILY
Manufacturer: Jinhua Jiadaifu Medical Supplies co. LTD
Address of the manufacturer: Dongxi industrial zone, Bailongqiao Town, Wucheng District, Jinhua City, Zhejiang Province, China.
Tel: 0086-0579-82779337



MATTERS NEEDING ATTENTION




1. This product is not suitable for protecting harmful gases, steam.
2. This product is not oxygen supply device, not suitable for anoxic environment, underwater operation, escape and fire fighting environment.
3. If felt that the face do not have good sealing with the edge of mask during use, we recommend to throw it away.
4. During use, if the mask is damaged or the respiratory resistance is too large, replace the mask with a new one.
5. This product is disposable and should not be reused. It is recommended to use within 4-8 hours.

PRODUCT INFORMATION

Product brand	DR. FAMILY
Product name	Multi-effect protective mask
Product materials	PP non-woven/ KN95 filter material
Product specification	Adult
Period of validity	Three years
Executive standard	GB2626-2006
Date of manufacture	See inner package
Country of origin	CHINA

STORAGE INSTRUCTIONS:

The product should be stored in a clean environment with relative humidity no more than 80%, temperature below 40°C, good ventilation, cool and dry, avoiding direct sunlight.



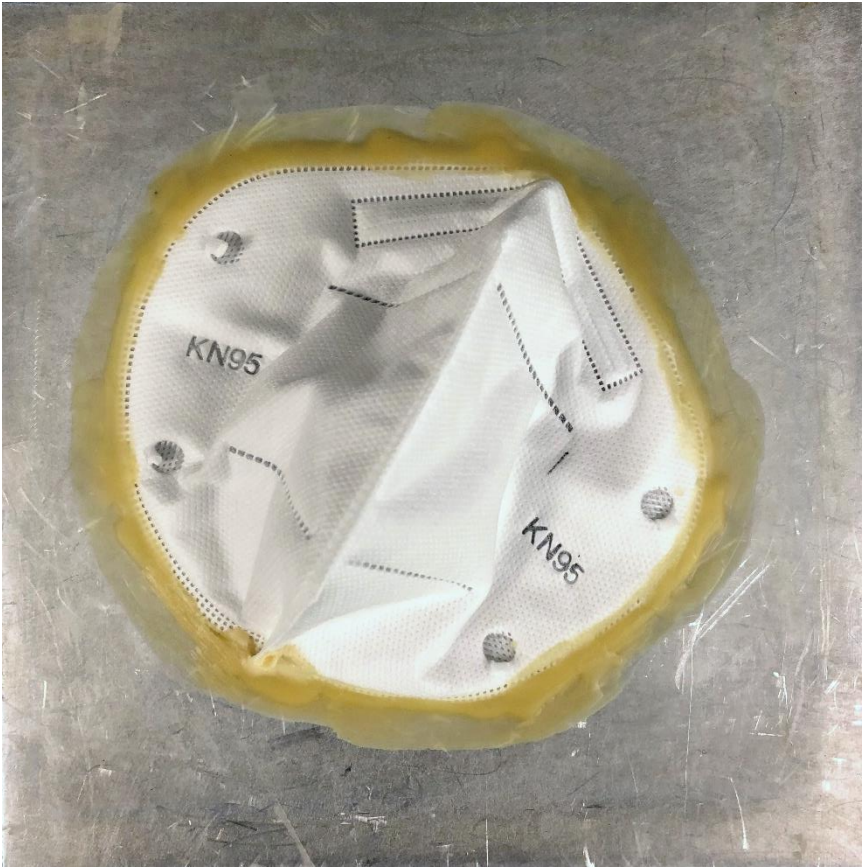




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