

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Dongguan AOXING AV Equipment Co., Ltd.

Model Tested: AX-KF95

Date Tested: May 26, 2021

These findings pertain to the Dongguan AOXING AV Equipment Co., Ltd., model AX-KF95. The packaging for this product indicates that it meets GB2626-2006 (the Chinese standard for Respiratory Protective Equipment – Non-Powered Air-Purifying Particle Respirator).

Thirty respirators were submitted for evaluation. The samples were tested using the 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 89.75% and 78.87%, respectively. All thirty respirators measured less than 95% filter efficiency.

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: May 26, 2021

Report Prepared: May 26, 2021

Manufacturer: Dongguan AOXING AV Equipment Co., Ltd.

Item Tested: AX-KF95

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	7.6	21.13	21.13	78.87
2	85	8.2	17.48	17.48	82.52
3	85	7.7	15.76	15.76	84.24
4	85	6.2	15.20	15.20	84.80
5	85	7.5	15.94	15.94	84.06
6	85	6.8	17.34	17.34	82.66
7	85	6.0	14.96	14.96	85.04
8	85	7.5	15.42	15.42	84.58
9	85	7.1	11.70	11.70	88.30
10	85	8.1	14.83	14.83	85.17
Minimum Filter Efficiency: 78.87%			Maximum Filter Efficiency: 88.30%		

- 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.

Evaluation of International Respirators

Test: Modified TEB-APR-STP-0059

Date Tested: May 26, 2021

Report Prepared: May 26, 2021

Manufacturer: Dongguan AOXING AV Equipment Co., Ltd.

Item Tested: AX-KF95

Country of Certification: China (GB2626-2006)

Filter	Flow Rate (LPM)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency (%)
11	85	8.2	10.46	10.46	89.54
12	85	8.0	11.31	11.31	88.69
13	85	7.6	11.94	11.94	88.06
14	85	8.0	11.39	11.39	88.61
15	85	8.6	12.00	12.00	88.00
16	85	8.7	10.78	10.78	89.22
17	85	8.4	13.30	13.30	86.70
18	85	8.6	10.25	10.25	89.75
19	85	9.4	11.80	11.80	88.20
20	85	7.4	11.93	11.93	88.07
Minimum Filter Efficiency: 86.70%			Maximum Filter Efficiency: 89.75%		

- 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.

Evaluation of International Respirators

Test: Modified TEB-APR-STP-0059

Date Tested: May 26, 2021

Report Prepared: May 26, 2021

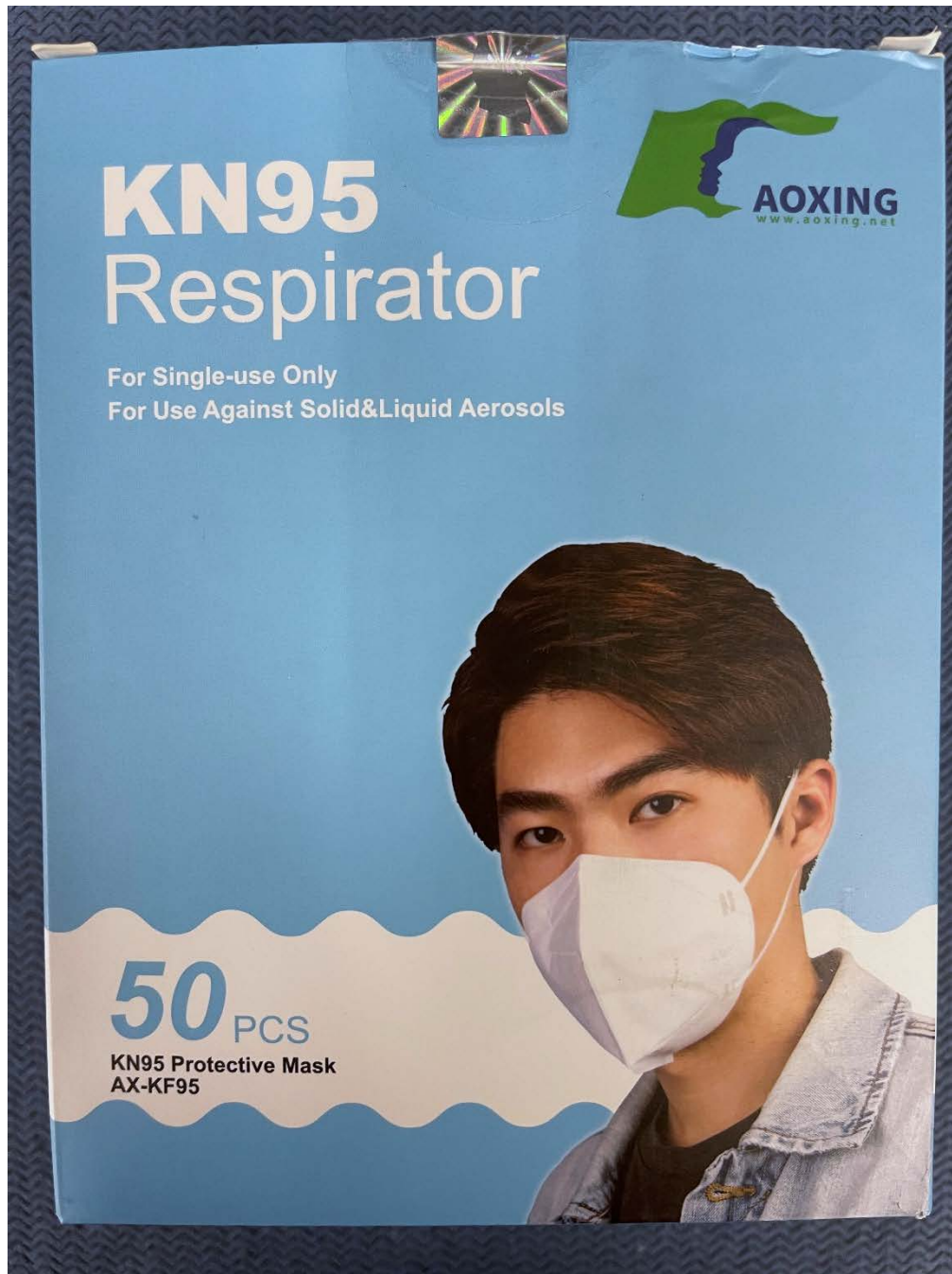
Manufacturer: Dongguan AOXING AV Equipment Co., Ltd.


Item Tested: AX-KF95

Country of Certification: China (GB2626-2006)

Filter	Flow Rate (LPM)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency (%)
21	85	7.0	18.29	18.29	81.71
22	85	7.4	11.78	11.78	88.22
23	85	7.1	13.32	13.32	86.68
24	85	7.6	10.78	10.78	89.22
25	85	9.1	11.35	11.35	88.65
26	85	8.0	13.18	13.18	86.82
27	85	8.5	12.59	12.59	87.41
28	85	8.4	11.64	11.64	88.36
29	85	7.7	12.81	12.81	87.19
30	85	6.8	13.72	13.72	86.28
Minimum Filter Efficiency: 81.71%			Maximum Filter Efficiency: 89.22%		

- 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.





Directions

1. Clean your hands, open the respirator and keep the skin dry.
2. Place an earloop around each ear, adjust left and right to make the respirator stressed evenly.
3. Press the respirator firmly against your face with the nosepiece on the bridge of your nose.
4. Use both hands, mold the nosepiece to the shape of your nose.

Remember to observe the fitting instructions carefully. It's very important to read this fitting instructions before use.

Dongguan AOXING AV Equipment Co., Ltd.
No.2 Tiansha Road, Tangxia Town,
Dongguan City, Guangdong Province,
China.

MADE IN CHINA

LIMITED WARRANTY

IMPORTANT NOTICE TO PURCHASER

This limited warranty is made in lieu of the warranties of merchantability, fitness for particular purposes and all other warranties, expressed or implied. There are no other warranties which extend beyond the descriptions on the face hereof. The products sold meet the physical standards and specifications of AOXING.

Exclusive Remedies: The damages for the breach of this limited warranty are limited to the replacement of the same quantities of AOXING under the condition that products MUST be proved to be defectively manufactured. Except as provided above, AOXING shall not be liable or responsible for any direct and indirect loss, arising out of sale, use, or misuse, or the inability to use products by the user.

KN95 Respirator

MADE IN CHINA

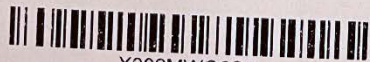
KN95 Respirator



WARNINGS

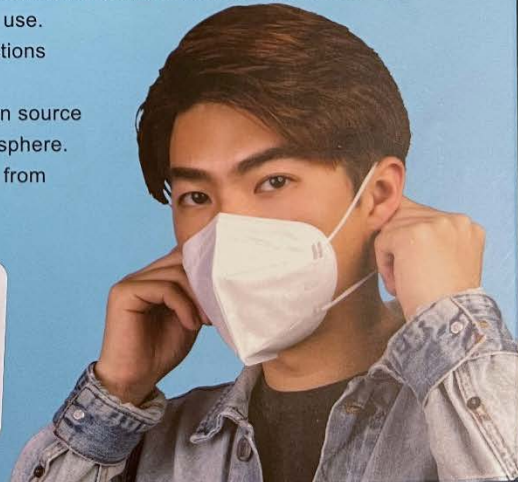
Read and understand before use:

1. A properly selected respirator is essential to protect your health. Before using this product consult a safety professional to determine its suitability for your intended application.
2. As with any respiratory device, the wearer **MUST** be adequately trained prior to use. Before use, the wearer should check the mask in good condition.
3. This product does not protect the wearer against harmful gases, particulates and liquids which may produce harmful vapor.
4. This product does not supply oxygen. Use this respirator only in well-ventilated area containing sufficient oxygen(at least 19.5%)to support life.
5. Do not use when concentration of pollutants is unknown or harmful to health and life.
6. Leave work area immediately if: a) breathing becomes difficult, b) dizziness or other distress happens, c)the respirator is damaged or d)an emergency occurs.
7. If user has any illness or discomfort, please consult a licensed medical doctor to determine suitability of use.
8. Facial hair and certain facial characteristics will prohibit effective use of this product
9. Replace a respirator when the breathing resistance becomes excessive due to dust or particulates loading or after a maximum 8-hour use.
10. Failure to observe the warnings and instructions may result in injury.
11. The respirator should not be close to ignition source and it should not be used in explosive atmosphere.
12. Keep respirator in a sealed container away from contaminated areas when not in use.



X002MWG6S5

KN95 Advanced Filtration R...FP2 - CE Certified to EN149
New



NPPTL COVID-19 Response: International Respirator Assessment

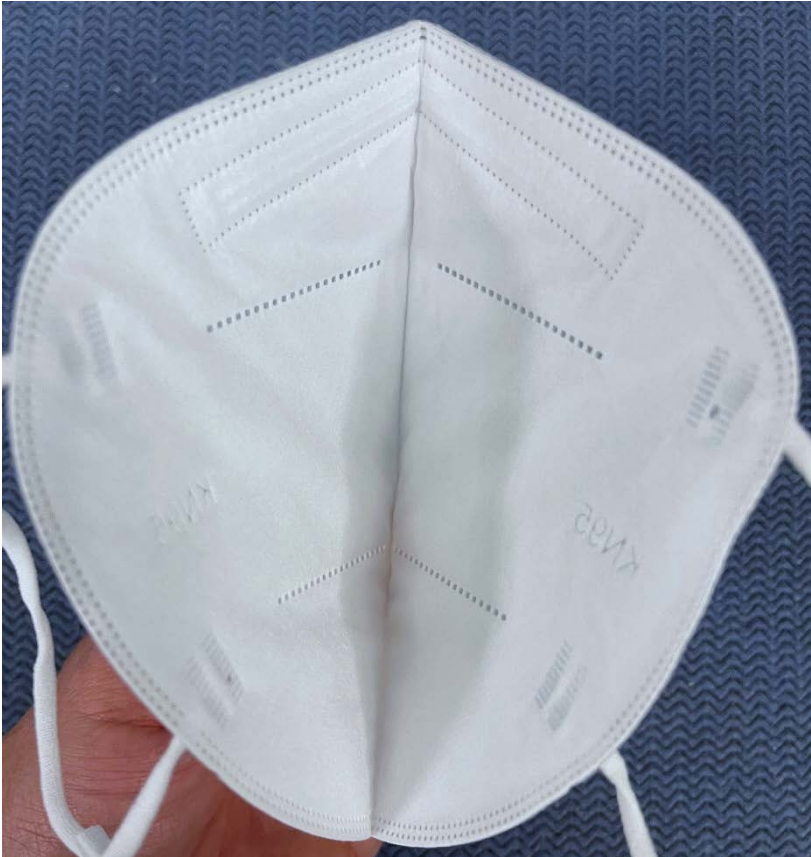




NPPTL COVID-19 Response: International Respirator Assessment



NPPTL COVID-19 Response: International Respirator Assessment



NPPTL COVID-19 Response: International Respirator Assessment

