

## NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Guangzhou Aiyinmei Co., Ltd.

Model Tested: AYM-KN95

Date Tested: May 14, 2020

These findings pertain to the Guangzhou Aiyinmei Co., Ltd., AYM-KN95. 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 68.80% and 38.90%, 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:** May 14, 2020

**Report Prepared:** May 16, 2020

**Manufacturer:** Guangzhou Aiyinmei Co., Ltd.

**Item Tested:** AYM-KN95

**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	10.9	42.5	42.5	57.50
2	85	11.4	31.7	31.7	68.30
3	85	8.2	57.8	57.8	42.20
4	85	8.1	57.4	57.4	42.60
5	85	11.0	33.1	33.1	66.90
6	85	12.2	31.2	31.2	68.80
7	85	11.0	39.0	39.0	61.00
8	85	7.8	56.2	56.2	43.80
9	85	10.9	34.9	34.9	65.10
10	85	7.3	61.1	61.1	38.90
<b>Minimum Filter Efficiency: 38.90</b>			<b>Maximum Filter Efficiency: 68.80</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.

NPPTL COVID-19 Response: International Respirator Assessment



MTT-2020-147

**A&F KN95**  
**A&F SELF-PRIMING FILTER ANTI-PARTICULATE RESPIRATOR DISPOSABLE**  
 AGAINST NON-OIL BASED PARTICLES FILTERING EFFICIENCY ≥95%

**Product Performance:**  
 1. Superfine fiber, electrostatic melt-blown nonwoven, composite ES hot air cotton, and PP spunbond nonwoven fabric, form a four-layer filter, to filter harmful substances more effectively, in line with the national standard KN95 level.  
 2. The masks are designed to fit the contour of the human face, while ensuring closeness of fit; greatly improving breathability and making the mask more comfortable.

**How to Wear:**  
 Open the mask with the bridge of the nose on top. After wearing, press the bridge of the nose tightly.



**Use Range:**  
 Suitable for protection against harmful particulate matter, such as dust, PM2.5 haze, particulates, influenza, bacterial droplets, pollen, etc.  
 This product has wind and cold protection.

Product Name: A&F  
 Model Number: AYM-KN95  
 Executive Standard: GB2626-2006  
 Product Batch Number: AF20200409  
 Production Date: 2020.04.09  
 Recommended Storage: Dry, cool, and well-ventilated

合格证(CERTIFICATE OF CONFORMITY)  
 产品名称: (A&F)自吸过滤式防护颗粒呼吸器(筒形式)  
 Product Name: A&F Self-Priming Filter Anti-Particulate Respirator Disposable

产品型号: AYM-KN95  
 Model Number: AYM-KN95  
 包装细节: 10个/包  
 Product Specifications: 10pcs / pack  
 材质: 无纺布 热风棉 熔喷布  
 Material: non-woven fabric hot air cotton Meltblown nonwoven  
 生产批号: AF20200409  
 Production Batch Number: AF20200409  
 生产日期: 2020.04.09  
 Production Date: 2020.04.09  
 原产地: 中国制造  
 Country of Origin: Made in China

2020.04.09  
 合格专用章

PASS

**Before use, the user should read the instructions carefully. Please save these instructions for future reference.**  
 Manufacturer: Guangzhou Aiyrmei Co., Ltd.  
 Address: Meidong Industrial Park, Sandong Avenue, Huadu District, Guangzhou, China

**Precautions:**  
 1. To ensure the effectiveness of the mask, please wear it correctly with your hands.  
 2. After donning a mask, please ensure that the mask is in the correct position.  
 3. Wash your hands before and after wearing the mask.  
 4. If you feel increased discomfort or difficulty breathing, please stop wearing the mask.  
 5. This mask is not suitable for use in high concentration, high temperature, and high humidity environments.  
 6. Unused masks should be stored in a clean, dry, and well-ventilated place to avoid damage, deformation, and chemical pollution.  
 7. Masks cannot be reused.

执行标准: GB2626-2006 KN95  
 Executive Standard: GB2626-2006 KN95  
 生产商: 广州爱尔美有限公司  
 Manufacturer: Guangzhou Aiyrmei Co., Ltd.  
 地址: 广州市花都区三东大道铁山河路18号-21号  
 (自编美东工业园21栋)二楼  
 Address: Meidong Industrial Park Second Floor, No. 18-21, Tieshanhe Road, Sandong Avenue, Huadu District, Guangzhou

非医用 Non Medical Equipment

非医用 Non Medical Equipment

# NPPTL COVID-19 Response: International Respirator Assessment

## A&F KN95

A&F SELF-PRIMING FILTER ANTI-PARTICULATE  
RESPIRATOR DISPOSABLE

AGAINST NON-OIL BASED PARTICLES FILTERING EFFICIENCY  $\geq 95\%$

### Product Performance:

1. Superfine fiber, electrostatic melt-blown nonwoven, composite ES hot air cotton, and PP spunbond nonwoven fabric, form a four-layer filter to filter harmful substances more effectively, in line with the national standard KN95 level.
2. The masks are designed to fit the contour of the human face, while ensuring closeness of fit; greatly improving breathability and making the mask more comfortable.

### How to Wear:

Open the mask with the bridge of the nose on top. After wearing, press the bridge of the nose tightly.



### Use Range:

Suitable for protection against harmful particulate matter, such as dust, PM2.5 haze, particulates, influenza, bacterial droplets, pollen, etc.

This product has wind and cold protection.

Product Name: A&F Self-Priming Filter Anti-Particulate Respirator Disposable

Model Number: AYM-KN95

Executive Standard: GB2626-2006 KN95

Product Batch Number: See Certificate of conformity

Production Date: See Certificate of conformity Validity: 2 years

Recommended Storage Conditions: Humidity <80%, non-corrosive gas, and well-ventilated clean room

Before use, the wearer must read and understand the instructions for use. Please save these instructions for reference.

Manufacturer: Guangzhou Aiyunmei Co., Ltd.

Address: Meidong Industrial Park Second Floor, No. 18-21, Tieshanhe Road, Sandong Avenue, Huadu District, Guangzhou

### Precautions:

1. To ensure the cleanliness of the mask, avoid touching the inside of the mask with your hands.
2. After donning a dust mask, perform a tightness check to ensure that the mask is in the correct position.
3. Wash your hands thoroughly before wearing a mask. A mask should always be worn when exposed to a dusty environment.
4. If you feel increased breathing difficulty, or when the mask becomes dirty or damaged, discontinue use and replace the mask immediately.
5. This mask is not washable. Washing will damage the structure of the filter material, and damage the filtering performance of the electrostatic filter material.
6. Unused masks should be stored in a clean environment. Protect the masks from damage, dirt, dust, direct sunlight, high temperatures, or harmful chemical pollution. When storing the masks, avoid deformation.
7. Masks cannot be sterilized in a microwave oven.

非医用 Non Medical Equipment



### 合格证(CERTIFICATE OF CONFORMITY)

产品名称: (A&F)自吸过滤式防颗粒物呼吸器(随弃式)  
Product Name: A&F Self-Priming Filter Anti-Particulate Respirator Disposable

产品型号: AYM-KN95

Model Number: AYM-KN95

包装细节: 10只/包

Product Specifications: 10pcs / pack

材质: 无纺布 热风棉 熔喷布

Material: non-woven fabric hot air cotton Meltblown nonwoven

生产批号: AF20200409

电话: 400-116-1289

Product Batch Number: AF20200409

电话: 400-116-1289

生产日期: 2020.04.09

截止日期: 2022.04.09

Production Date: 2020.04.09

Expiration date: 2022.04.09

原产地: 中国制造

Country of Origin: Made In China

执行标准: GB2626-2006 KN95

Executive Standard: GB2626-2006 KN95

生产商: 广州爱音美有限公司

Manufacturer: Guangzhou Aiyunmei Co., Ltd.

地址: 广州市花都区三东大道铁山河路18号-21号

(自编美东工业园21栋) 二楼

Address: Meidong Industrial Park Second Floor, No. 18-21,

Tieshanhe Road, Sandong Avenue, Huadu District,

Guangzhou

非医用 Non Medical Equipment



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