

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Wenzhou Lvya Packing Co., Ltd.

Model Tested: Adult / KN95 Disposable Protective Mask (Non-medical)

Date Tested: June 1, 2021

These findings pertain to the Wenzhou Lvya Packing Co., Ltd., model Adult / KN95 Disposable Protective 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 95.41% and 71.17%, respectively. One respirator measured more than 95% filter efficiency. Nine 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: June 1, 2021

Report Prepared: June 1, 2021

Manufacturer: Wenzhou Lvya Packing Co., Ltd.

Item Tested: Adult / KN95 Disposable Protective Mask (Non-medical)

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	8.0	26.10	26.10	73.90
2	85	7.3	24.58	25.13	74.87
3	85	8.4	23.23	23.23	76.77
4	85	6.7	25.49	25.49	74.51
5	85	7.4	28.56	28.83	71.17
6	85	6.9	7.77	7.87	92.13
7	85	7.5	4.58	4.59	95.41
8	85	6.2	6.65	7.38	92.62
9	85	6.4	6.48	6.60	93.40
10	85	6.6	6.56	6.69	93.31
Minimum Filter Efficiency: 71.17%			Maximum Filter Efficiency: 95.41%		

- 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.



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Scope of use:

1. The overall appearance of the mask should be free of damage or contamination before use. The elasticity of the ear bands should be in good condition, and the nose piece should not be damaged or broken.
2. Replace it with a new mask immediately when the breathing resistance of the mask becomes intensify.

Brand: TE

Product Name: KN95 Disposable Protective Mask (Non-medical)

Model: Adult

Specifications: 105x155mm

Executive Standard: GB2626-2006

Raw materials:44%Non-woven fabric, 28%Melt-blown fabric, 28%Hot air cotton

Quantity: 20 PCS

Shelf Life: The storage temperature is $-20^{\circ}\text{C} \sim 38^{\circ}\text{C}$, the storage humidity is $\leq 80\%$, and the validity period is 2 years under the indoor environment of dark and dry.

Production date: See The Certificate

Manufacturer: WENZHOU LVYA PACKING CO.,LTD

Address: South, 2/F, Building 8, Zone B, No. 571-711, Songyang Road, Longgang City,

Wenzhou City, Zhejiang Province, China 325802

Tel:+86-577-68687200



Disposable Use



Reading Notes

Storage conditions:

1. It must be stored properly and keep away from contaminated areas.
2. Prevent mechanical extrusion and contact with humidity. high temperature. sunlight. and comosive chemicals.
3. The storage temperature is $-20^{\circ}\text{C} \sim 38^{\circ}\text{C}$, the storage humidity is $\leq 80\%$, and the validity period is 2 years under the indoor environment of dark and dry.

Do:

Wash hands before putting on and taking off the mask.
Replace the mask if it gets damp or soiled.

Do not:

Touch the face part of the mask once it has been put on.
Pull the mask off your face or down. it must be kept in place until taken off for disposal.

MADE IN CHINA

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合格证
CERTIFICATE

品牌: TE
Brand: TE
产品名称: KN95 一次性防护口罩(非医用)
Product Name: KN95 Disposable Protective Mask (Non-medical)
检验员: 01
Examination Clerk: 01
型号: 成人
Model: Adult
规格: 105x155mm
Specifications: 105x155mm
执行标准: GB2626-2006
Executive Standard: GB2626-2006
检验: 合格
Test: Qualified
数量: 5个
Quantity: 5 PCS
批号: 20201116
Batch Number: 20201116
生产日期: 2020/11/16
Production date: 2020/11/16
原材料: 44%无纺布, 28%熔喷布, 28%热风棉
Raw materials: 44%Non-woven fabric, 28%Melt-blown fabric, 28%Hot air cotton
保质期: 储存温度-20℃~38℃储存湿度≤80%, 有效期为室内阴暗干燥环境下2年。
Shelf Life: The storage temperature is -20℃~38℃, the storage humidity is ≤80%, and the validity period is 2 years under the indoor environment of dark and dry.

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制造商: 温州市绿亚包装有限公司
Manufacturer: WENZHOU LVYA PACKING CO.,LTD
地址: 浙江省温州市龙港市松阳路571-711号B区8栋2楼南边
Address: South, 2/F, Building 8, Zone B, No. 571-711, Songyang Road, Longgang City, Wenzhou City, Zhejiang Province, China

适用范围: 本产品不得用于发热门诊、隔离病房、隔离留观病房、手术室、隔离重症监护室等区域。
Scope of application: This product shall not be used in fever clinic, isolation ward, isolation observation ward, operating room, isolation ICU and other areas.

注意事项和警告
Notes and warnings

1. 产品为一次性产品, 使用后应按规定销毁;
The product is disposable and shall be destroyed in accordance with regulations after use;
2. 产品性质发生变化时, 请勿使用(吸湿、发黄、发霉);
Do not use the product when its properties change (damp absorption, yellowing, mildew);
3. 超过有效期的, 禁止使用;
The use shall be prohibited when the expiry date is exceeded;
4. 戴口罩时不要触摸口罩内侧;
Do not touch the inside of the mask while wearing;
5. 开封后尽快使用。
Use as soon as possible after opening.



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