

## NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Zhengzhou YLW Technology Co., Ltd.

Model Tested: KM04

Date Tested: August 19, 2020

These findings pertain to the Zhengzhou YLW Technology Co., Ltd., model KM04. The packaging and labeling for this product indicate 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 99.62% and 99.21%, respectively. All ten respirators measured more 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 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:** August 19, 2020

**Report Prepared:** August 19, 2020

**Manufacturer:** Zhengzhou YLW Technology Co., Ltd.

**Item Tested:** KM04

**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	16.1	0.47	0.47	99.53
2	85	14.9	0.77	0.77	99.23
3	85	12.8	0.61	0.61	99.39
4	85	14.7	0.69	0.69	99.31
5	85	13.6	0.79	0.79	99.21
6	85	12.4	0.78	0.78	99.22
7	85	17.5	0.49	0.49	99.51
8	85	16.4	0.52	0.52	99.48
9	85	15.0	0.38	0.38	99.62
10	85	14.9	0.39	0.39	99.61
<b>Minimum Filter Efficiency: 99.21%</b>			<b>Maximum Filter Efficiency: 99.62%</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.

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**产品合格证**  
Product Certificate

产品名称 Product Name	自吸过滤式防颗粒物呼吸器 (非医用)
执行标准 Executive Standard	KN95 Mask (Non Medical Type)
型号 Model	KM04
规格 Specification	105x150mm 无纺布4.6% 熔喷布27.7% 热胶棉27.7% Nonwovens 4.6% Meltblown fabric 27.7% hot cotton 27.7%
材料 Material	2P/CS
数量 QTY	Y20200423
生产日期 Production Date	2020-04-23
保质期 Expiration Date	3 years
经销商代号 OC	12
生产商 Manufacturer	亚利丰 (郑州) 科技有限公司 Zhengzhou YLF Technology Co., Ltd
地址 Address	DC PASS 新郑市郑开大道东150米林源工业区 Linyuan Industrial Park, 150 Metres East of the Intersection of Zhengzhou Road and Yanhe Road Hezhuang Town, Xinzheng City, Henan, China



# 产品合格证

## Product Certificate

产品名称 Product Name	自吸过滤式防颗粒物呼吸器 (非医用) KN95 Mask (Non Medical Type)
执行标准 Executive Standard	GB2626-2006
型号 Model	KM04
规格 Specification	105x150mm
材料 Material	无纺布44.6%,熔喷布27.7%,热风棉27.7% Nonwovens 44.6%,Meltblown fabrics 27.7%,hot air cotton 27.7%
数量 QTY	2PCS
生产批号 Batch No.	Y20200423
生产日期 Production Date	2020-04-23
保质期 Expiration Date	3 Years
检验员代号 QC	12
生产商 Manufacturer	亚利韦 (郑州) 科技有限公司 Zhengzhou YLW Technology Co., Ltd
地址 Address	新郑市和庄镇神州路沿河路交叉口东150米林源工业区 Linyuan Industrial Park, 150 Meters Away East of the Intersection of Shenzhou Road and Yanhe Road, Hezhuang Town, Xinzheng City, Henan, China



**QC PASS**

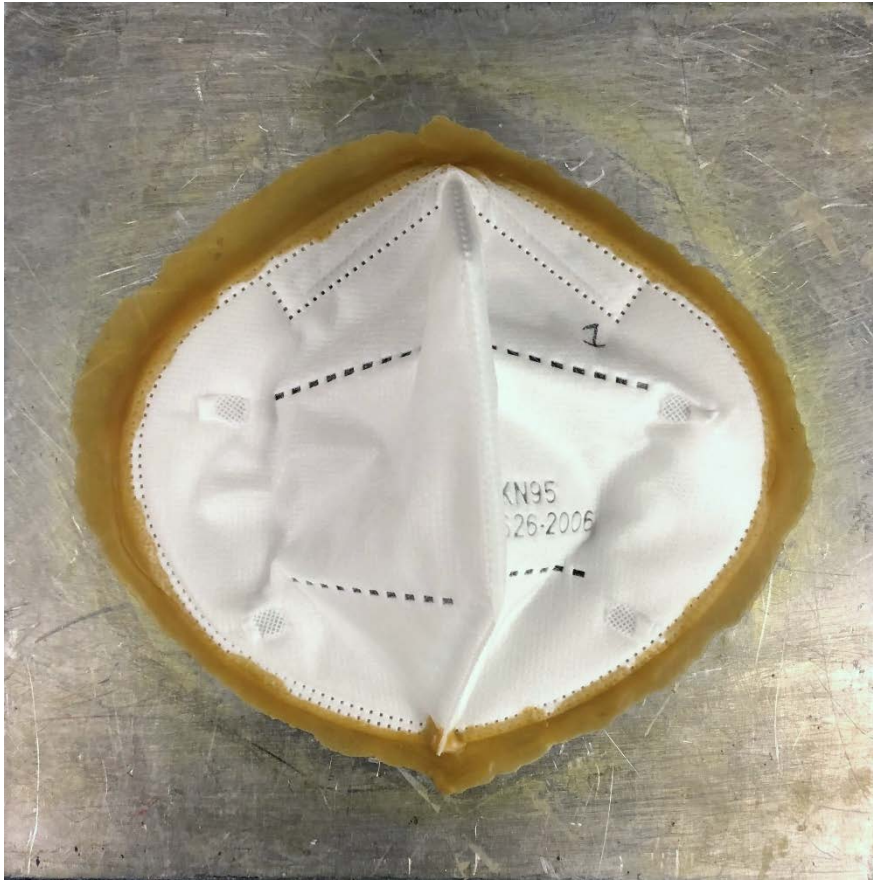


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