

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Henan Fengzhihuang Industrial Co., Ltd.

Model Tested: HF/KN95-3

Date Tested: May 30, 2020

These findings pertain to the Henan Fengzhihuang Industrial Co., Ltd., model HF/KN95-3. 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 99.55% and 99.37%, 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 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 30, 2020

Report Prepared: May 30, 2020

Manufacturer: Henan Fengzhihuang Industrial Co., Ltd.

Item Tested: Model HF/KN95-3

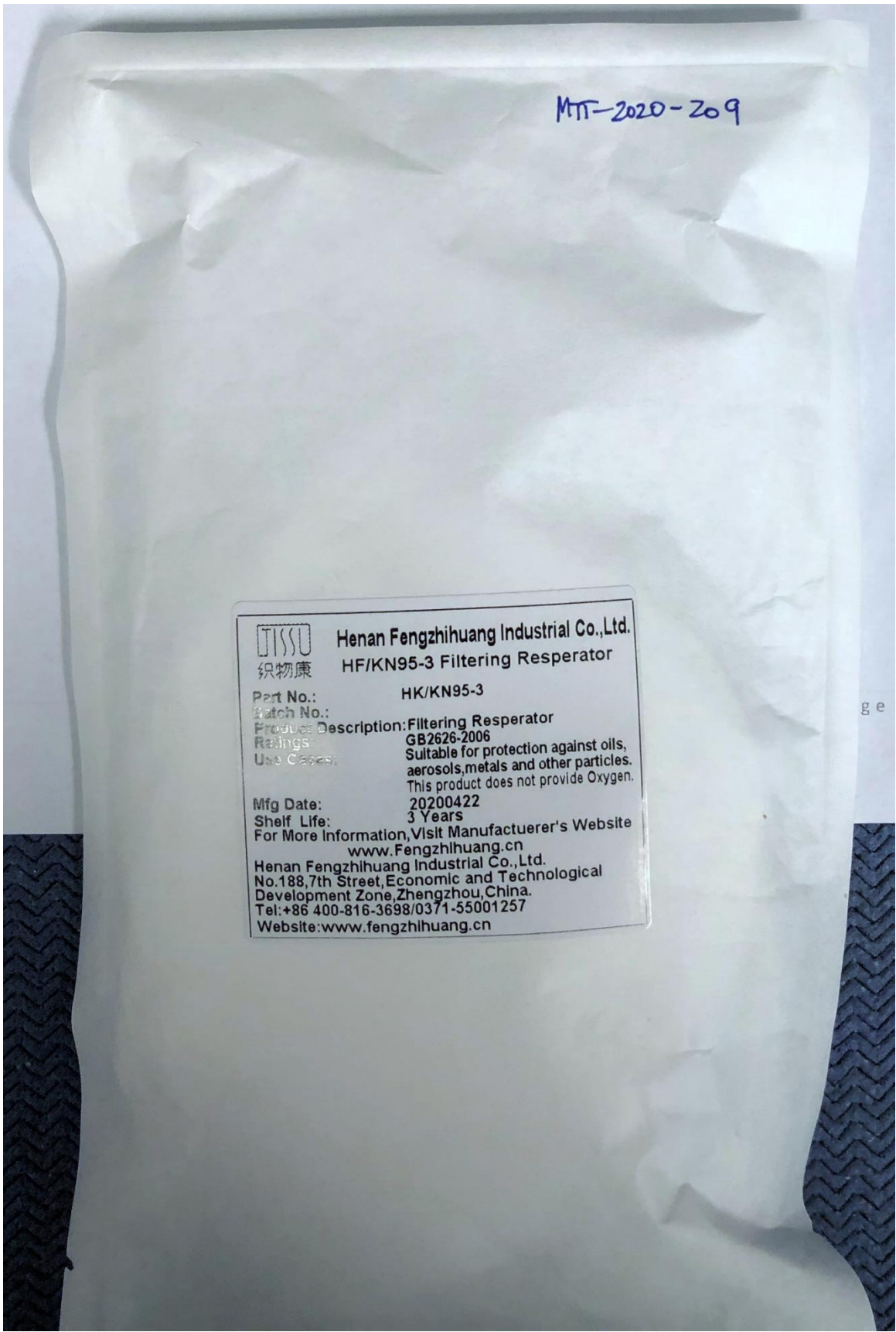
Country of Certification: China (GB2626-2006)

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	17.0	0.52	0.52	99.48
2	85	15.6	0.49	0.49	99.51
3	85	15.0	0.45	0.45	99.55
4	85	17.0	0.56	0.56	99.44
5	85	15.6	0.63	0.63	99.37
6	85	16.6	0.58	0.58	99.42
7	85	16.4	0.47	0.47	99.53
8	85	14.5	0.60	0.60	99.40
9	85	15.7	0.48	0.48	99.52
10	85	16.8	0.58	0.58	99.42
Minimum Filter Efficiency: 99.37			Maximum Filter Efficiency: 99.55		

- 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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MTT-2020-209

 织物康
Henan Fengzhihuang Industrial Co., Ltd.
HF/KN95-3 Filtering Resperator
Part No.: HK/KN95-3
Patch No.:
Product Description: Filtering Resperator
Standings: GB2626-2006
Use Cases: Suitable for protection against oils,
aerosols, metals and other particles.
This product does not provide Oxygen.
Mfg Date: 20200422
Shelf Life: 3 Years
For More Information, Visit Manufactuerer's Website
www.fengzhihuang.cn
Henan Fengzhihuang Industrial Co., Ltd.
No.188,7th Street, Economic and Technological
Development Zone, Zhengzhou, China.
Tel: +86 400-816-3698/0371-55001257
Website: www.fengzhihuang.cn

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合格证 Certificate of conformity
自吸过滤式防颗粒物呼吸器
Self-priming filter type anti-particle respirator
非医用 Non-medical

产品型号: HF/KN95-3
Product Model: HF/KN95-3
执行标准: GB2626-2006
Complies with Chinese Standard GB2626-2006
产品等级: 合格品
Product Grade: Qualified
口罩成分: 无纺布47%, 热风棉24%, 熔喷布29%
Ingredients: Non-woven fabric 47%, Hot air cotton 24%, Melt blown fabric 29%
生产日期: 2020年04月22日
Production Date: 2020年04月22日
生产批号: 20200303
Production Batch: 20200303
有效期: 3年
Validity Period: 3 Years

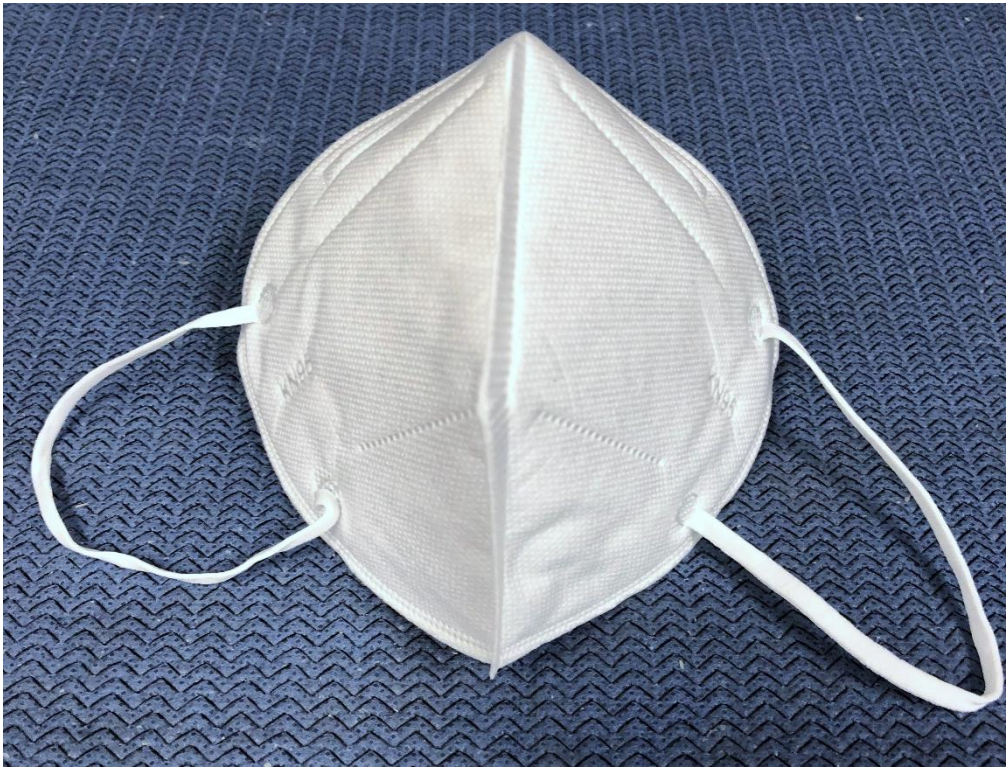


生产企业: 河南凤之凰实业股份有限公司
Production enterprises: Henan Fengzhihuang Industrial Co., Ltd.
生产地址: 中国·郑州经济技术开发区第七大街188号院
Address: No. 188, 7th Street, Zhengzhou Economic and Technological Development Zone, China.
联系电话: 0371-55001257
Contact Number: 0371-55001257

Made in China

产品说明: 本产品为一次性民用防护口罩, 切勿医用, 注意避光干燥保存
Product description: This product is a disposable civilian protective mask, do not use it for medical purposes, pay attention to protect it from light and dry it

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