

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Jinhua Jinchuang Labor Protection Tools Factory

Model Tested: KN95

Date Tested: July 9, 2020

These findings pertain to the Jinhua Jinchuang Labor Protection Tools Factory, model KN95. 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 99.88% and 92.95%, respectively. Seven respirators measured more than 95%. Three 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 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: July 9, 2020

Report Prepared: July 9, 2020

Manufacturer: Jinhua Jinchuang Labor Protection Tools Factory

Item Tested: 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 ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
1	85	19.2	0.12	0.12	99.88
2	85	17.8	0.39	0.39	99.61
3	85	11.8	1.64	1.64	98.36
4	85	13.7	3.36	3.36	96.64
5	85	10.5	2.76	2.76	97.24
6	85	8.4	6.32	6.32	93.68
7	85	10.2	3.88	3.88	96.12
8	85	9.7	5.21	5.21	94.79
9	85	12.0	7.05	7.05	92.95
10	85	13.0	3.72	3.72	96.28
Minimum Filter Efficiency: 92.95			Maximum Filter Efficiency: 99.88		

- 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.





警告

本产品只用于对某些颗粒物的呼吸防护。错误使用可导致疾病甚至死亡。请了解正确使用办法。



WARNING

This respirator helps protect against certain particles. misuse can result in sickness or death.

产品符合:

澳大利亚、新西兰AS/NZS 1716:2003 P2. 中国GB2626-2006 KN95 标准.

This respirator conforms:

AS/NZS 1716:2003 P2. China GB2626-2006 KN95



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生产日期: 2020.02.20

保质期: 3年

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GB2626-2006 KN95

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