

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Jiangxi Hornet Industrial Co., Ltd.

Model Tested: #S-KN95

Date Tested: June 12, 2020

These findings pertain to the Jiangxi Hornet Industrial Co., Ltd., model #S-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).

Thirty respirators were submitted for evaluation. The respirators were sampled into groups of ten 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 99.58% and 93.09%, respectively. Twenty-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 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: June 12, 2020

Report Prepared: June 15, 2020

Manufacturer: Jiangxi Hornet Industrial Co., Ltd.

Item Tested: #S-KN95 (Sample Group 1 of 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	15.0	3.21	3.21	96.79
2	85	13.8	6.90	6.90	93.10
3	85	22.9	1.20	1.20	98.80
4	85	17.0	1.33	1.33	98.67
5	85	13.9	2.17	2.17	97.83
6	85	17.2	1.91	1.91	98.09
7	85	22.1	1.72	1.72	98.28
8	85	20.1	2.60	2.60	97.40
9	85	19.0	1.33	1.33	98.67
10	85	18.9	1.34	1.34	98.66
Minimum Filter Efficiency: 93.10			Maximum Filter Efficiency: 98.80		

- 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

Test: Modified TEB-APR-STP-0059

Date Tested: June 12, 2020

Report Prepared: June 15, 2020

Manufacturer: Jiangxi Hornet Industrial Co., Ltd.

Item Tested: #S-KN95 (Sample Group 2 of 3)

Country of Certification: China (GB2626-2006)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
11	85	12.0	4.20	4.20	95.80
12	85	18.8	2.36	2.36	97.64
13	85	24.6	1.54	1.54	98.46
14	85	17.8	1.20	1.20	98.80
15	85	20.7	1.68	1.68	98.32
16	85	16.8	3.07	3.07	96.93
17	85	16.3	1.33	1.33	98.67
18	85	17.5	2.35	2.35	97.65
19	85	12.0	3.05	3.05	96.95
20	85	12.7	4.45	4.45	95.55
Minimum Filter Efficiency: 95.55			Maximum Filter Efficiency: 98.80		

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NPPTL COVID-19 Response: International Respirator Assessment

Test: Modified TEB-APR-STP-0059

Date Tested: June 12, 2020

Report Prepared: June 15, 2020

Manufacturer: Jiangxi Hornet Industrial Co., Ltd.

Item Tested: #S-KN95 (Sample Group 3 of 3)

Country of Certification: China (GB2626-2006)

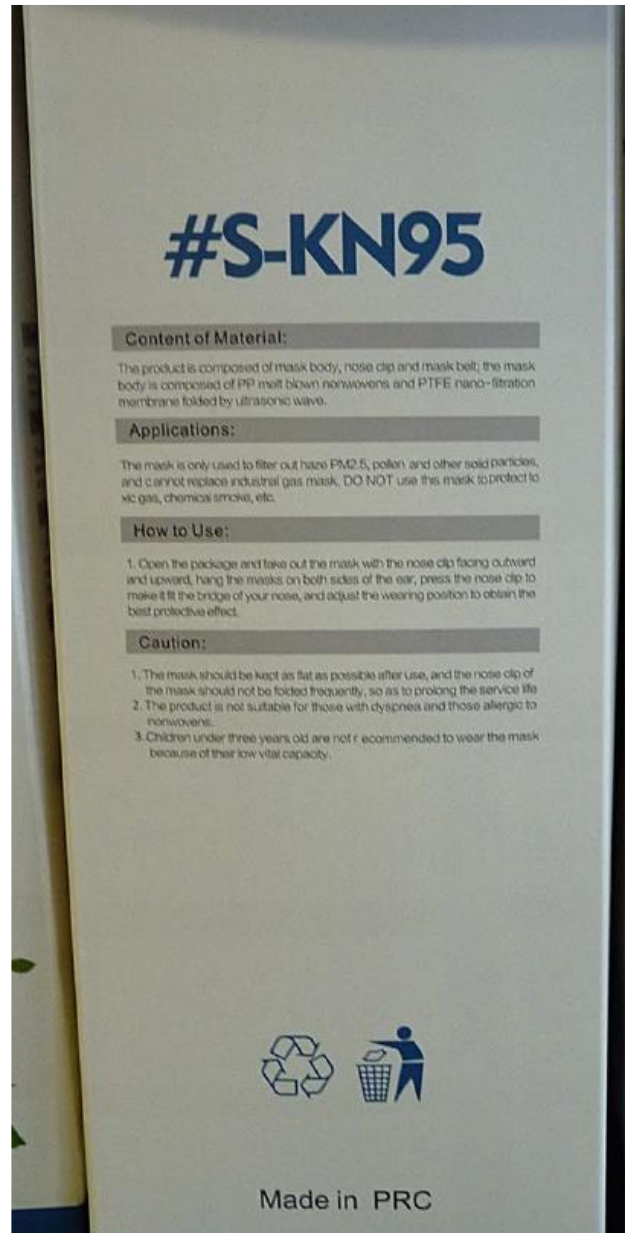
Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
21	85	12.4	3.72	3.72	96.28
22	85	25.1	0.42	0.42	99.58
23	85	11.7	3.39	3.39	96.61
24	85	18.1	3.22	3.22	96.78
25	85	12.0	3.94	3.94	96.06
26	85	15.7	5.07	5.07	94.93
27	85	14.4	1.94	1.94	98.06
28	85	8.8	6.91	6.91	93.09
29	85	22.8	1.41	1.41	98.59
30	85	17.8	1.93	1.93	98.07
Minimum Filter Efficiency: 93.09			Maximum Filter Efficiency: 99.58		

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3D NANO FACIAL PROTECTIVE MASK

Three-in-one function of Anti-haze, sterilization, formaldehyde removal

Content of Material:

The product is composed of mask body, nose clip and mask belt; the mask body is composed of PP melt blown nonwovens and PTFE nano-filtration membrane folded by ultrasonic wave.

Applications:

The mask is only used to filter out haze PM2.5, pollen and other solid particles, and cannot replace industrial gas mask. DO NOT use this mask to protect toxic gas, chemical smoke, etc.

How to Use:

1. Open the package and take out the mask with the nose clip facing outward and upward, hang the masks on both sides of the ear, press the nose clip to make it fit the bridge of your nose, and adjust the wearing position to obtain the best protective effect.

Caution:

1. The mask should be kept as flat as possible after use, and the nose clip of the mask should not be folded frequently, so as to prolong the service life.
2. The product is not suitable for those with dyspnea and those allergic to nonwovens.
3. Children under three years old are not recommended to wear the mask because of their low vital capacity.

Executive standard: Q/HNT 001-2020

Storage conditions: it should be placed in a cool and dry place.

Date of manufacture: see product certificate.

Shelf life: Three years (sealed)

Manufacturer: Jiangxi Hornet Industrial Co., Ltd.

Address: Shuidong Industrial Park, Ningdu District, Ganzhou City, Jiangxi Province

E-mail: starbuss02@starbussgroup.com

www.starbussmask.com



Made in PRC

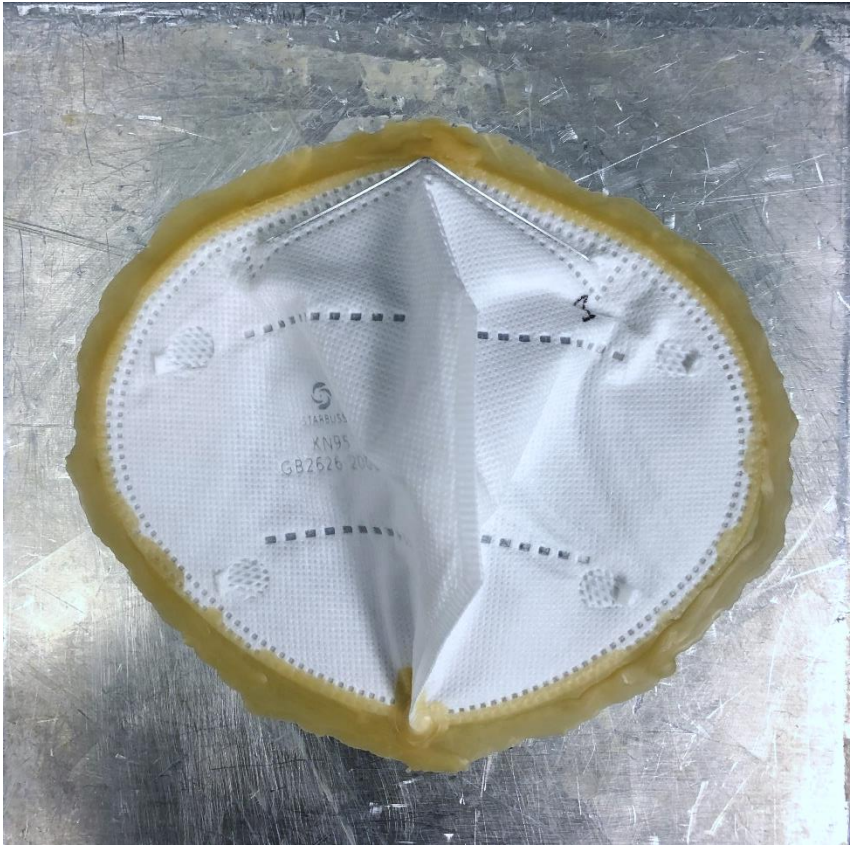


HK STARBUSS TECHNOLOGY GROUP
JIANGXI HORNET INDUSTRIAL CO., LTD.

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