

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Rich Resource Global Supply Chain (GuangZhou) Co., Ltd.

Model Tested: HY-95

Date Tested: February 10, 2021

These findings pertain to the Rich Resource Global Supply Chain (GuangZhou) Co., Ltd., model HY-95. 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 96.16% and 93.78%, respectively. Seven respirators measured more than 95% filter efficiency. Three 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: February 10, 2021

Report Prepared: February 11, 2021

Manufacturer: Rich Resource Global Supply Chain (GuangZhou) Co., Ltd.

Item Tested: HY-95

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	10.8	5.13	5.13	94.87
2	85	14.1	6.22	6.22	93.78
3	85	11.3	4.66	4.66	95.34
4	85	10.7	4.95	4.95	95.05
5	85	11.6	4.55	4.55	95.45
6	85	10.6	4.08	4.08	95.92
7	85	14.0	5.54	5.54	94.46
8	85	11.4	3.84	3.84	96.16
9	85	13.5	4.93	4.93	95.07
10	85	10.8	4.16	4.16	95.84
Minimum Filter Efficiency: 93.78%			Maximum Filter Efficiency: 96.16%		

- 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.



Product performance:

The mask outward is neat and intact, and the surface is not damaged or stained.

The 3D stereo shape is designed according to the human face shape engineering to ensure the tightness of the mask, which increases the breathing capacity of the mask, greatly improves the air permeability, and makes the mask more comfortable to wear.



Fitting Instructions:

1. Please wash your hands before wearing a mask.
2. Unfold the mask, covering the nose, mouth, and chin.
3. Press the nose clip from the middle of the nose clip to the sides of the nose with the index finger of both hands to make the nose clip close to the bridge of the nose. Make sure the mask fits your face without gaps.

Contraindications, precautions, warnings and instructions:

1. Please read the instructions carefully before use and use within the period of use.
2. KN95 medical protective folding mask can only reduce the risk of being infected and cannot guarantee absolute safety.
3. Do not take it off and put it on too often to avoid contamination of your hands.
4. Once the mask is wet, it must be replaced with a clean, dry new mask.
5. After going to the hospital or clinic, change the mask in time.
6. If you feel uncomfortable after wearing for a long time, please take some fresh air or change the mask.
7. Change a new one every 4 hours.
Store in a sealed bag and discard the useless mask.

Product structure and composition:

Front and back side with non-woven fabric, hot-air cotton and meltblown non-woven fabric in the middle filter layer. Such structure can filter harmful substances more effectively.

Scope of application:

1. Hygiene care for the wearer in general or medical environment to reduce the risk of infection and spreading of droplets.
2. Prevent passive smoking, cigarette smoke.
3. Block haze, industrial emissions, vehicle exhaust.
4. Anti-dust and anti-allergy.
5. Keep warm.
6. Sun protection.

Model : HY-95

Execution Standard: GB2626-2006

Manufactured date: 2020-03-10

Expiry date: 2023-03-09

Manufacturer: Rich Resource Global Supply Chain (GuangZhou)CO.,LTD

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MADE IN CHINA



合格证

型号: HY-95 KN95防护口罩 (非医用)

执行标准: GB2626-2006

产品成分: 无纺布54%、熔喷布24.5%、热封棉21.5%

生产日期: 2020/03/10

有效期: 2023/03/09

生产批号: 20200309

生产商: 广州豪源供应链有限公司

生产地址: 广东省广州市白云区
人和镇矮岗村成岗路123号



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