

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: CTT Co., Ltd.

Model Tested: KN95 (CM-88/8410)

Date Tested: December 18, 2020

These findings pertain to the CTT Co., Ltd., model KN95 (CM-88/8410). 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 98.68% and 94.13%, respectively. Nine respirators measured more than 95% filter efficiency. One respirator 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: December 18, 2020

Report Prepared: December 18, 2020

Manufacturer: CTT Co., Ltd.

Item Tested: KN95 (CM-88/8410)

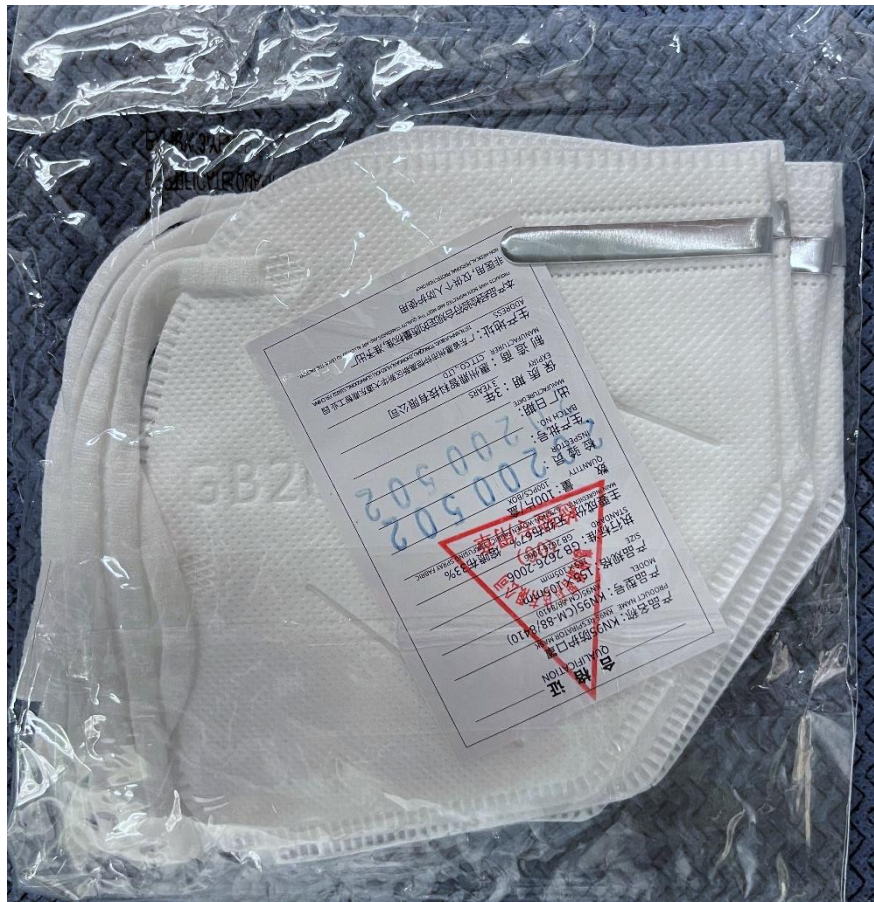
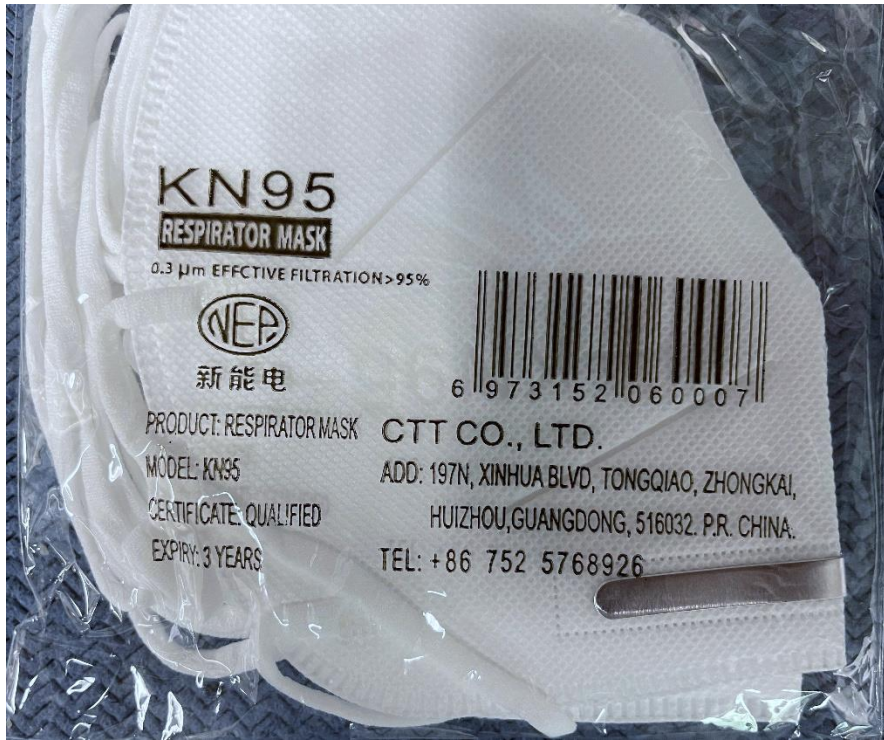
Country of Certification: China (GB2626-2006)

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	12.5	1.91	1.91	98.09
2	85	15.7	1.59	1.59	98.41
3	85	12.8	1.73	1.73	98.27
4	85	17.3	1.72	1.72	98.28
5	85	15.8	1.46	1.46	98.54
6	85	10.8	2.47	2.47	97.53
7	85	12.0	5.87	5.87	94.13
8	85	12.7	1.81	1.81	98.19
9	85	12.3	1.32	1.32	98.68
10	85	12.9	2.32	2.32	97.68
Minimum Filter Efficiency: 94.13%			Maximum Filter Efficiency: 98.68%		

- 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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合格证
QUALIFICATION

产品名称: KN95防护口罩
PRODUCT NAME KN95 RESPIRATOR MASK

产品型号: KN95(CM-88/8410)
MODEL KN95(CM-88/8410)

产品规格: 155×105mm
SIZE 155×105mm

执行标准: GB 2626-2006
STANDARD GB 2626-2006

主要成份: 无纺布67%、熔喷布33%
MAIN INGREDIENTS 67% NON-WOVEN FABRIC, 33% FUSING SPRAY FABRIC

数量: 100片/盒
QUANTITY 100PCS/BOX

检验员: 2000502
INSPECTOR 2000502

生产批号: 2000502
BATCH NO. 2000502

出厂日期: 2000502
MANUFACTURE DATE 2000502

保质期: 3年
EXPIRY 3 YEARS

制造商: 惠州鼎智科技有限公司
MANUFACTURER CTT CO., LTD

生产地址: 广东省惠州市仲恺高新区新华大道东鼎智工业园
ADDRESS 197 N, XINHUA BLYD, TONGQIAO, ZHONGKAI, HUIZHOU, GUANGDONG, 516032, P.R. CHINA

本产品经检验符合规定的质量标准, 准予出厂
PRODUCTS HAVE BEEN INSPECTED AND MEET THE QUALITY STANDARDS AND ARE ALLOWED TO LEAVE THE FACTORY.

非医用, 仅供个人防护使用
NON-MEDICAL, PERSONAL PROTECTION ONLY

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