

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Fujian Little Forest Technology Co., Ltd.

Model Tested: Protective Mask

Date Tested: June 1, 2020

These findings pertain to the Fujian Little Forest Technology Co., Ltd., Protective Mask. 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) and EN149:2001+A1:2009 (the European standard for Respiratory Protective Devices – Filtering Half Masks to Protect Against Particles – Requirements, Testing, Marking).

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](#).

A certificate of approval was provided with the samples received; however, the authenticity of the claims cannot be validated.

The maximum and minimum filter efficiency was 96.89% and 24.30%, respectively. Two respirators measured more than 95%. Eight 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 1, 2020

Report Prepared: June 1, 2020

Manufacturer: Fujian Little Forest Technology Co., Ltd.

Item Tested: Protective Mask

Country of Certification: China (GB2626-2006, EN149:2001+A1:2009)

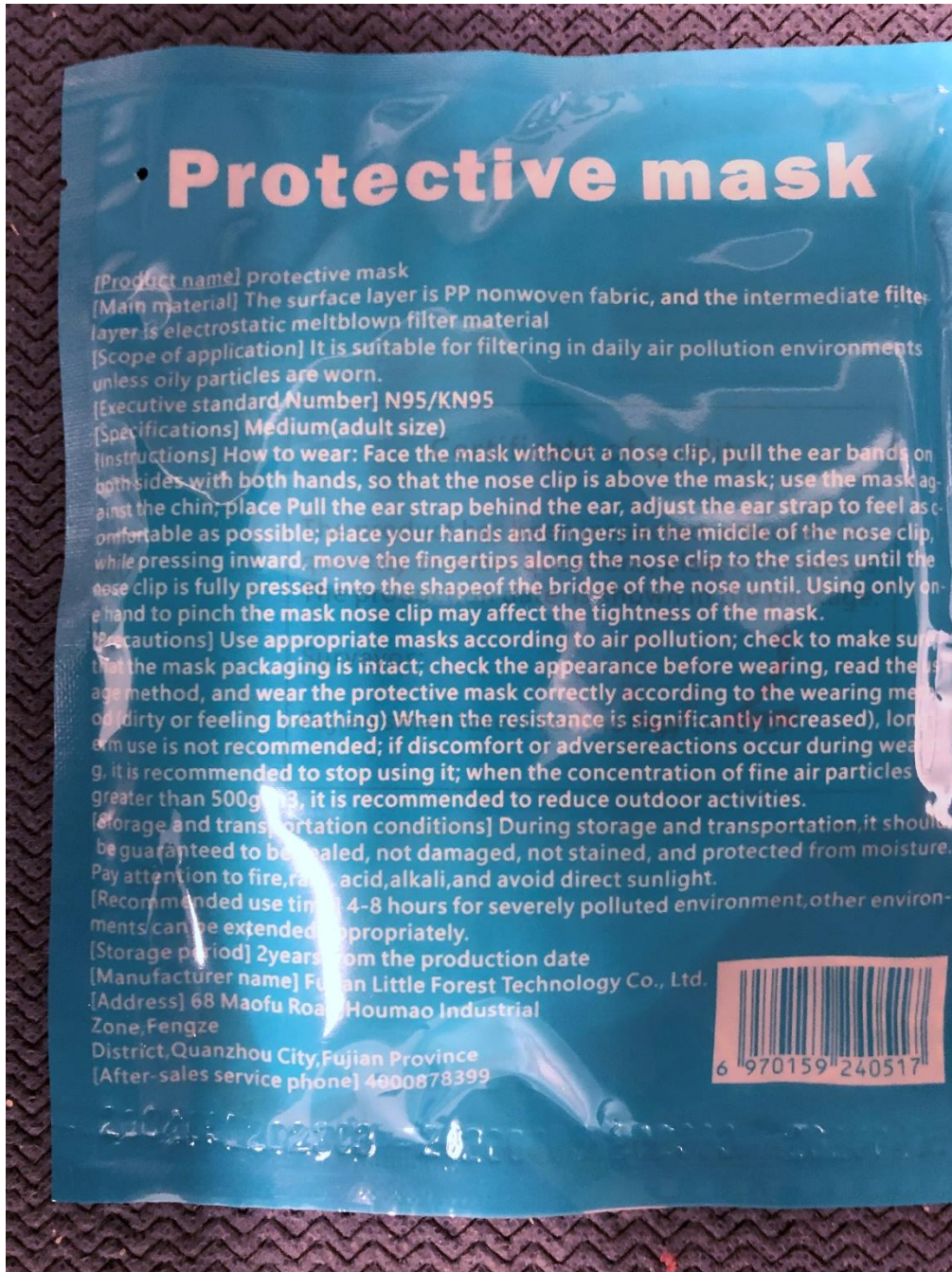
Pictures have been added to the end of this report.

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
1	85	5.8	73.2	74.5	25.50
2	85	5.3	70.9	72.1	27.90
3	85	11.2	52.1	52.1	47.90
4	85	5.5	75.5	75.7	24.30
5	85	7.4	69.1	69.1	30.90
6	85	10.5	51.1	51.1	48.90
7	85	9.2	2.31	3.34	96.66
8	85	8.7	2.18	3.11	96.89
9	85	6.4	73.5	73.5	26.50
10	85	10.2	50.9	50.9	49.10
Minimum Filter Efficiency: 24.30			Maximum Filter Efficiency: 96.89		

- 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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防护口罩

[Product name] 防护口罩
[Main material] 表层为PP无纺布, 中间过滤层为静电熔喷过滤材料
[Scope of application] 适用于日常空气污染环境, 除非油性颗粒物。
[Executive standard Number] N95/KN95
[Specifications] 中号(成人尺寸)
[Instructions] 如何佩戴: 佩戴口罩时, 不要捏鼻夹, 将耳带从两侧同时拉过耳朵, 使鼻夹位于鼻梁上方; 将鼻夹对准下巴; 将耳带拉过耳朵, 调整耳带使其尽可能舒适; 将双手和手指放在鼻夹中间, 同时向内按压, 使指尖沿鼻夹移动到两侧, 直到鼻夹完全压入鼻梁形状为止。使用单手捏鼻夹可能会影响口罩的密封性。
[Precautions] 根据空气污染情况适当佩戴口罩; 检查口罩包装是否完好; 佩戴前检查外观, 按照佩戴方法正确佩戴; 口罩脏污或感觉呼吸阻力明显增加时, 应立即停止使用; 当空气中细颗粒物浓度大于500 $\mu\text{g}/\text{m}^3$ 时, 建议减少户外活动。
[Storage and transportation conditions] 储存和运输过程中, 应保证口罩完好, 不受损, 不污染, 不潮湿。注意防火, 防酸, 防碱, 避免阳光直射。
[Recommended use time] 4-8小时, 严重污染环境, 其他环境可适当延长。
[Storage period] 自生产日期起2年
[Manufacturer name] 福建小森林科技有限公司
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