

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Anhui Jinling Plastics Co., Ltd.

Model Tested: Protective Mask

Date Tested: April 28, 2020

These findings pertain to the Anhui Jinling Plastics Co., Ltd, Protective Mask. The documentation provided with this product indicates that it meets 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 99.66% and 98.67%, respectively. All ten respirators measured more than 95% 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 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: April 28, 2020

Report Prepared: April 29, 2020

Manufacturer: Anhui Jinling Plastics Company Limited

Item Tested: Protective Mask

Country of Certification: China (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	15.9	0.36	0.36	99.64
2	85	15.6	0.93	0.96	99.04
3	85	14.9	1.24	1.24	98.76
4	85	12.9	1.33	1.33	98.67
5	85	11.8	0.90	1.00	99.00
6	85	15.1	0.52	0.53	99.47
7	85	11.7	0.42	0.47	99.53
8	85	15.2	0.59	0.59	99.41
9	85	13.3	0.89	0.89	99.11
10	85	16.5	0.33	0.34	99.66
Minimum Filter Efficiency: 98.67			Maximum Filter Efficiency: 99.66		


- 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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Certificate of Compliance

NO. 0H200314.AJPUU78

Certificate's Holder: Anhui Jinling Plastics Co., Ltd.
Huaining Industrial Park, Anqing City, Anhui Province

Certification ECM Mark: 

Product: Protective Mask

Model(s): KN95, PT17.5*9.2*3, PT17.5*9.2*4, PT17*9*3, PT17*9*4, PT17.5*9*3, PT17.5*9*4, PT12*7*3, PT12*7*4, PT12.5*7.5*4, PT12.5*7.5*3, PT17*9.5*3, PT17*9.5*4, PT17.5*9.5*3, PT17.5*9.5*4


Verification to: Standard: EN 149:2001+A1:2009
related to CE Directive(s): R 2016/425 (Personal Protective Equipment)


Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity-mark above can be affixed on the products according to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:

CE The manufacturer is responsible for the CE Marking process. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.entecema.it

Issuance date: 14 March 2020
Expiry date: 13 March 2025

Reviewer: Technical expert Amanda Payne 

Approver: ECM Service Director Luca Badonni 



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