

## NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Guangdong Nafei Industrial Holding Co., Ltd.

Model Tested: NAFY Protective Mask

Date Tested: June 4, 2020

These findings pertain to the Guangdong Nafei Industrial Holding Co., Ltd., NAFY Protective Mask. The packaging and labeling for this product indicate that it meets EN149:2001+A1:2009 (the European standard for Respiratory Protective Devices – Filtering Half Masks to Protect Against Particles – Requirements, Testing, Marking).

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 84.80% and 6.80%, respectively. All thirty 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 4, 2020

**Report Prepared:** June 5, 2020

**Manufacturer:** Guangdong Nafei Industrial Holding Co., Ltd.

**Item Tested:** NAFY Protective Mask (Sample Group 1 of 3)

**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 <sub>2</sub> O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
1	85	2.4	85.4	92.4	7.60
2	85	2.4	82.6	90.1	9.90
3	85	12.7	15.2	15.2	84.80
4	85	10.8	17.1	17.1	82.90
5	85	8.4	16.2	16.2	83.80
6	85	8.9	15.3	15.3	84.70
7	85	6.6	20.2	20.2	79.80
8	85	6.9	21.1	21.1	78.90
9	85	5.1	71.7	72.5	27.50
10	85	4.9	70.9	73.4	26.60
<b>Minimum Filter Efficiency: 7.60</b>			<b>Maximum Filter Efficiency: 84.80</b>		

- 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 4, 2020

**Report Prepared:** June 5, 2020

**Manufacturer:** Guangdong Nafei Industrial Holding Co., Ltd.

**Item Tested:** NAFY Protective Mask (Sample Group 2 of 3)

**Country of Certification:** China (EN149:2001+A1:2009)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH <sub>2</sub> O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
11	85	9.3	61.8	61.8	38.20
12	85	9.6	62.8	62.8	37.20
13	85	2.8	84.4	91.5	8.50
14	85	3.0	85.7	92.2	7.80
15	85	11.1	17.2	17.2	82.80
16	85	10.9	17.2	17.2	82.80
17	85	6.6	67.1	67.5	32.50
18	85	6.5	63.6	63.6	36.40
19	85	3.0	83.9	90.8	9.20
20	85	3.3	83.7	88.9	11.10
<b>Minimum Filter Efficiency: 7.80</b>			<b>Maximum Filter Efficiency: 82.80</b>		

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# NPPTL COVID-19 Response: International Respirator Assessment

**Test:** Modified TEB-APR-STP-0059

**Date Tested:** June 4, 2020

**Report Prepared:** June 5, 2020

**Manufacturer:** Guangdong Nafei Industrial Holding Co., Ltd.

**Item Tested:** NAFY Protective Mask (Sample Group 3 of 3)

**Country of Certification:** China (EN149:2001+A1:2009)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH <sub>2</sub> O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
21	85	6.6	74.4	74.4	25.60
22	85	6.4	64.4	65.7	34.30
23	85	2.6	81.1	89.0	11.00
24	85	3.0	84.6	92.4	7.60
25	85	2.9	83.2	90.4	9.60
26	85	2.6	79.0	88.3	11.70
27	85	2.9	87.3	93.2	6.80
28	85	2.5	83.4	91.2	8.80
29	85	11.7	19.6	19.6	80.40
30	85	12.3	18.0	18.0	82.00
<b>Minimum Filter Efficiency: 6.80</b>			<b>Maximum Filter Efficiency: 82.00</b>		

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**PRODUCT NAME:** Protective masks

**PRODUCTION ENTERPRISES:** Guangdong Nafei  
Industrial Holding co., LTD

**Origin:** Shanwei, Guangdong

**EQUIPMENT PREPARATION:** 20200001

**STANDARD :** EN149:2001+A1:2009

(T/GDBX 025-2020)

**SPECIFICATIONS:** 50pcs/box

**PRODUCT GRADE:** Qualified

**EXPIRY DATE AND BATCH NUMBER:** See packaging

**POSTCODE:** 516400

**VALIDITY:** 2 years

Made in China



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# NAFY<sup>®</sup>

## CERTIFICATE 合格证

PRODUCT NAME 品名	PROTECTIVE MASK 防护口罩 (非医用)
SPECIFICATION 规格型号	18cm x 13.5cm, 4PLY,
BATCH NO. 生产批号	20200410
VALIDITY 有效期	2years 2年
EXECUTIVE STANDARD 执行标准	EN149:2001+A1:2009
MATERIAL 材质	无纺布65% 熔喷布35% non-woven fabric 65% melt-blown fabric 35%
TEST 检验	QUALIFIED 合格
INSPECTOR 质检员	03
DATE CODE 生产日期	2020,04,10



WARNNG: This product is a non-medical device.

生产厂家: 广东娜菲实业股份有限公司

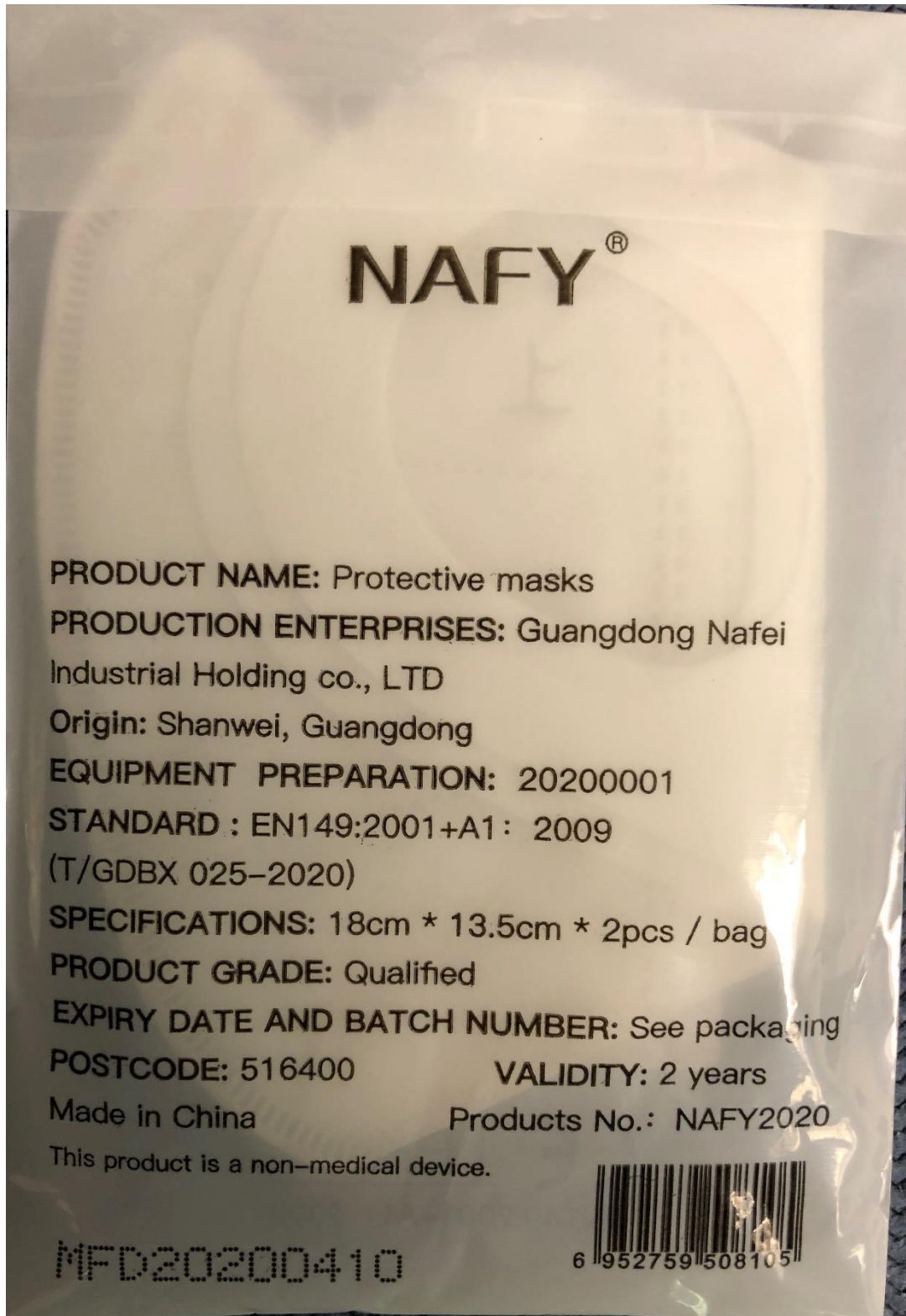
PRODUCED BY: Guangdong Nafei Industrial Holding Co., LTD

厂址: 中国广东省汕尾市海丰县城东镇生态科技城内4号路

FACTORY ADD: 4th Road, Ecological Technology City, Chengdong  
Town, Haifeng County, Shanwei City, Guangdong Province, China







**NAFY<sup>®</sup>**

**PRODUCT NAME:** Protective masks

**PRODUCTION ENTERPRISES:** Guangdong Nafei Industrial Holding co., LTD

**Origin:** Shanwei, Guangdong

**EQUIPMENT PREPARATION:** 20200001

**STANDARD :** EN149:2001+A1: 2009  
(T/GDBX 025-2020)

**SPECIFICATIONS:** 18cm \* 13.5cm \* 2pcs / bag

**PRODUCT GRADE:** Qualified

**EXPIRY DATE AND BATCH NUMBER:** See packaging

**POSTCODE:** 516400

**VALIDITY:** 2 years

Made in China

Products No.: NAFY2020

This product is a non-medical device.



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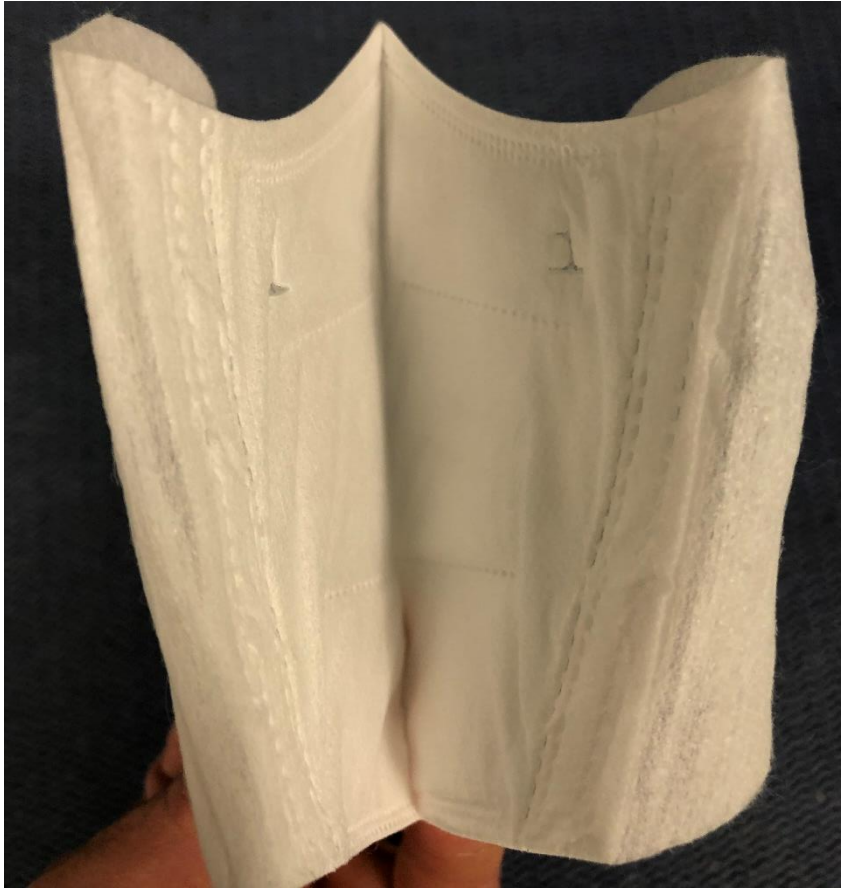
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