

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Zhejiang Anhao Protective Equipment Co., Ltd.

Model Tested: LASHA01

Date Tested: May 5, 2021

These findings pertain to the Zhejiang Anhao Protective Equipment Co., Ltd., model LASHA01. The packaging and labeling for this product indicate that it meets GB2626-2019 (the Chinese standard for Respiratory Protective Equipment – Non-Powered Air-Purifying Particle Respirator).

Thirty respirators were submitted for evaluation. The samples were tested using the 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 99.90% and 98.04%, respectively. All thirty respirators measured more 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: May 5, 2021

Report Prepared: May 6, 2021

Manufacturer: Zhejiang Anhao Protective Equipment Co., Ltd.

Item Tested: LASHA01

Country of Certification: China (GB2626-2019)

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 | 13.8 | 1.36 | 1.36 | 98.64 |
| 2 | 85 | 16.1 | 0.38 | 0.38 | 99.62 |
| 3 | 85 | 13.5 | 0.24 | 0.24 | 99.76 |
| 4 | 85 | 14.6 | 1.89 | 1.96 | 98.04 |
| 5 | 85 | 14.0 | 0.97 | 1.01 | 98.99 |
| 6 | 85 | 20.0 | 0.57 | 0.57 | 99.43 |
| 7 | 85 | 14.0 | 1.09 | 1.27 | 98.73 |
| 8 | 85 | 13.1 | 0.65 | 0.66 | 99.34 |
| 9 | 85 | 15.1 | 1.84 | 1.87 | 98.13 |
| 10 | 85 | 15.2 | 0.25 | 0.25 | 99.75 |
| Minimum Filter Efficiency: 98.04% | | | Maximum Filter Efficiency: 99.76% | | |

- 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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|------------------------------------------|-----------------|------------------------------------------------|------------------------------------------|-----------------------------|-----------------------|
| 11 | 85 | 13.2 | 0.25 | 0.26 | 99.74 |
| 12 | 85 | 13.5 | 0.65 | 0.65 | 99.35 |
| 13 | 85 | 21.0 | 0.78 | 0.78 | 99.22 |
| 14 | 85 | 13.4 | 0.82 | 0.82 | 99.18 |
| 15 | 85 | 15.1 | 0.14 | 0.14 | 99.86 |
| 16 | 85 | 14.7 | 0.71 | 0.71 | 99.29 |
| 17 | 85 | 12.9 | 1.85 | 1.85 | 98.15 |
| 18 | 85 | 16.3 | 1.18 | 1.22 | 98.78 |
| 19 | 85 | 15.8 | 0.31 | 0.31 | 99.69 |
| 20 | 85 | 13.6 | 0.36 | 0.37 | 99.63 |
| Minimum Filter Efficiency: 98.15% | | | Maximum Filter Efficiency: 99.86% | | |

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|------------------------------------------|-----------------|------------------------------------------------|------------------------------------------|-----------------------------|-----------------------|
| 21 | 85 | 14.2 | 0.10 | 0.10 | 99.90 |
| 22 | 85 | 17.1 | 0.78 | 0.78 | 99.22 |
| 23 | 85 | 14.4 | 0.21 | 0.21 | 99.79 |
| 24 | 85 | 14.3 | 1.02 | 1.04 | 98.96 |
| 25 | 85 | 16.3 | 1.52 | 1.52 | 98.48 |
| 26 | 85 | 13.5 | 0.23 | 0.23 | 99.77 |
| 27 | 85 | 19.4 | 0.64 | 0.64 | 99.36 |
| 28 | 85 | 15.8 | 0.81 | 0.81 | 99.19 |
| 29 | 85 | 15.4 | 0.94 | 0.94 | 99.06 |
| 30 | 85 | 17.4 | 0.83 | 0.83 | 99.17 |
| Minimum Filter Efficiency: 98.48% | | | Maximum Filter Efficiency: 99.90% | | |

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Features

Wearing the mask on the nose and mouth, it can effectively resist fine particles (PM2.5)

Wearing method

- [1] Put nose clip upside, bottom of mask to cover the chin.
- [2] Pull ear bands to backside of ear, adjust their position to make it comfortable.
- [3] Press the nose clip from middle to two sides and make it closely contacted with nose.
- [4] Check the compactness of entire mask.



Product information

- [PRODUCT NAME] LASHA Face Mask
- [PRODUCT MODEL] Adult Model-Standard Number
- [WAY OF WEARING] Ear Band Type
- [COMPLIANCE WITH STANDARDS] Standard:GB2626-2019(Non-Medical)
- [USAGE CYCLE] Disposable, 1-3 Days Replacement Is Recommended
- [Five-layer protection] Non-Woven fabric,Meltblown fabric,hot air cotton, Meltblown fabric,Non-Woven fabric
- [WARM TIPS] Do Not Wash With Water
- [PACK] 20 Pieces/Box
- [EFFECTIVE PERIOD] 24 Months
- [PLACE OF ORIGIN] China

WARNING : Patients with dyspnea or congenital heart should use it carefully,
This product can not be used as gas mask in toxic environment.

Manufacturer: Zhejiang Anhao Protective equipment Co.,Ltd.
Address:No. 438, Daochengdian road, Chong Jiang street,
Yiwu city, Zhejiang province,China



5 layers of fabric protection



Odorless

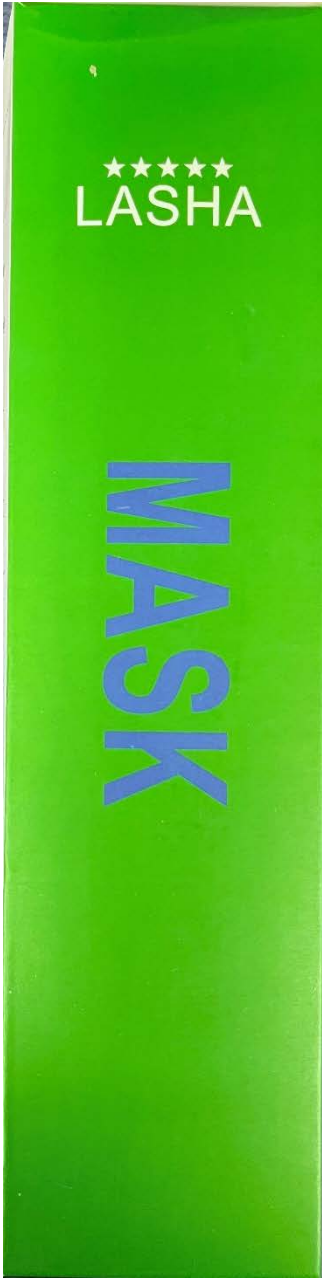


Nonirritating



Nonallergic

NPPTL COVID-19 Response: International Respirator Assessment



合格证

防护口罩（非医用）

Protective Mask (NON-MEDICAL)

标准：GB2626-2019

(Standard:GB2626-2019)

产品型号：LASHA01

(Product model:LASHA01)

包装规格：20个/盒

(Packing:20pcs/box)

产品尺寸：15.5*10.5cm

(Product Size:15.5*10.5cm)

主要原料：无纺布47%熔喷布31%热风棉22%

(main raw materials: non-woven fabric47%+melt blown cloth 31%+hot air cotton22%)

产品颜色：白色

(Color:White)

生产批号：2020102195

(Batch Number:2020102195)

生产日期：2020.10.21

(Date of Manufacture:21October,2020)

使用周期：一次性

(Service Period:Disposable)

质保期：24个月

(Warranty:24 Months)

生产厂商：浙江安昊防护用品有限公司

Manufacturer: Zhejiang Anhao Protective equipment Co., Ltd.

生产地址：浙江省义乌市稠江街道城店路438号

Address: 438 Daochengdian Road, Chong Jiang Street, Yiwu City, Zhejiang Province

产品使用范围：本产品不得用于发热门诊隔离病房(区)

NOTICE: This product shall not be used in isolation ward, reasonable observation area.

隔离留观病房(区) 手术室、隔离重症监护室等区域

operating room, isolation severe area and other areas of fever clinic.

本产品为非医疗器械 仅供应急使用

THIS PRODUCT IS NON-MEDICAL DEVICE, ONLY FOR EMERGENCY USE

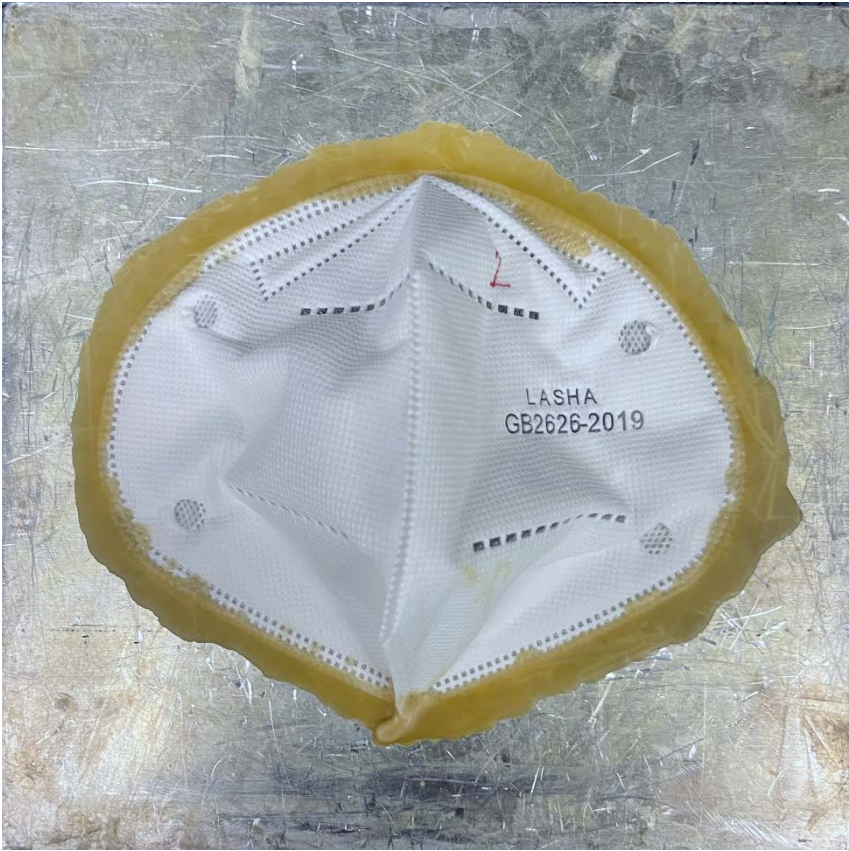
MADE IN CHINA



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