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).
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)

<table>
<thead>
<tr>
<th>Filter</th>
<th>Flow Rate (LPM)</th>
<th>Initial Filter Resistance (mmH₂O)</th>
<th>Initial Percent Leakage (%)</th>
<th>Maximum Percent Leakage (%)</th>
<th>Filter Efficiency (%)</th>
</tr>
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<tbody>
<tr>
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<td>0.25</td>
<td>0.25</td>
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</tbody>
</table>

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.
NPPTL COVID-19 Response: International Respirator Assessment

Evaluation of International Respirators

Test: Modified TEB-APR-STP-0059

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<td>0.37</td>
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</tr>
</tbody>
</table>

Minimum Filter Efficiency: 98.15%  Maximum Filter Efficiency: 99.86%

- 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.
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**NPPTL COVID-19 Response: International Respirator Assessment**

**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)

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<td>99.17</td>
</tr>
</tbody>
</table>

Minimum Filter Efficiency: 98.48%  
Maximum Filter Efficiency: 99.90%

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LASHA EAR FACE MASK

Advanced environmental protection non-woven fabric, multi layer fabric can effectively resist fine particles (PM2.5)

LASHA

Five-layer protection

x 30

20 PCS/PACK
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
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
NPPTL COVID-19 Response: International Respirator Assessment

**Certificate of Conformity**

**Product**: Protective Mask (NON-MEDICAL)

**Standard**: GB2626-2019

**Model**: LASHA01

**Packaging**: 20 pcs/box

**Dimensions**: 15.5 cm x 10.5 cm

**Main原材料**: non-woven fabric 47% + melt blown cloth 31% + hot air cotton 22%

**Color**: White

**Batch Number**: 2020102195

**Date of Manufacture**: 2020/10/21

**Service Period**: Disposable

**Warranty**: 24 Months

**Manufacturer**: Zhejiang Anhao Protective Equipment Co., Ltd.

**Address**: 438 Daochengqian Road, Chongjiang Street, Yiwu City, Zhejiang Province

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

**Operating Room**: Isolation severe area and other areas of fever clinic.

**Emergency Use Only**: This product is non-medical device, only for emergency use.
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