NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Zhejiang Allta Industrial Co., LTD
Model Tested: ALLTA Respirator 9591
Date Tested: April 22, 2020

These findings pertain to the Zhejiang Allta Industrial Co., LTD, ALLTA Respirator 9591. The labeling for this product indicates that it meets GB2626-2006 KN95, the Chinese 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 not provided with the samples received; therefore, the authenticity of the claims cannot be validated.

The maximum and minimum filter efficiency was 98.08% and 93.61%, respectively. Seven of the ten respirators measured more than 95%. The remaining 3 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).
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**Evaluation of International Respirators**

**Test:** Modified TEB-APR-STP-0059  
**Date Tested:** April 22, 2020  
**Report Prepared:** April 22, 2020  
**Manufacturer:** Zhejiang Allta Industrial Co., LTD  
**Item Tested:** ALLTA Respirator 9591  
**Country of Certification:** China (GB2626-2006KN95)

<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>
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<tbody>
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</table>

**Minimum Filter Efficiency:** 93.61  
**Maximum Filter Efficiency:** 98.08

- 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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**Respirator 9591**

**KN95**

**Protect**

**MTT-2020 - 32**

**Nasello aggiustabile per una migliore tenuta**

Adjustable nose bridge for a better fit

**Pince nasale ajustable pour un meilleur ajustement**

Puente para la nariz regulable que brinda un mejor cálce

**STANDARD: GB2626-2006 KN95**

Particulate Respirator

**GENERAL USE**

**IMPORTANT: Before use, the wearer must read and understand these User Instructions.**

Keep these instructions for reference. See information supplied by the manufacturer. Used to protect mechanical dust and mist from processing. These minerals include coal, iron ore, silicon dioxide, cotton, flour and some other substances, and their concentration can reach up to ten times the occupation!

Exposure standards may be based on local regulations.

**DO NOT USE FOR**

Paint spraying and sandblasting applications or to prevent gas and steam. Do not use in environments where the oxygen content is below 19.5%, as this respirator does not provide oxygen. It is not suitable for all mist environment.

**USE LIMITATIONS AND WARNINGS**

1. The wearer must first be trained in the proper use and fit tested before using this respirator.
2. Do not use this respirator when concentrations of contaminants are immediately dangerous to life or health.
3. If you have difficulty breathing or experience dizziness or other distress, leave the contaminated area immediately.
4. Discard and replace respirator if it becomes damaged or breathing resistance becomes excessive.
5. Inspect respirator before each use to ensure it is in good working condition. Examine all the respirator parts for signs of damage including the two straps, noseclip and staples.
6. Do not modify, clean, abuse or misuse this respirator.
7. Do not use with beards or other facial hair or other conditions that prevent a good seal between the face and the sealing edge of the respirator.
8. This product may be used to the extent required by applicable government regulations.
9. Failure to follow all instructions and warnings on the use of this respirator and/or failure to wear this respirator during all times of exposure can reduce respirator effectiveness and may result in illness or permanent disability.

**Pallet 1 - Exterior Top**

**STANDARD: GB2626-2006 KN95**

Storage Conditions and Shelf Life:

Shelf life of unopened product is 3 years from date of manufacture when stored within temperature range of -20°C to +30°C and at less than 90% relative humidity.

Manufactured by AILTA INTERNATIONAL, INC.

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NEW YORK, NY 10013

LOT CODE: 20094CN

EXPIRY DATE: 2023.4

MADE IN CHINA
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