

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Mezorrison Health Science & Technology (shenzhen) Co., Ltd.

Model Tested: MZC-KZ-06

Date Tested: May 22, 2020

These findings pertain to the Mezorrison Health Science & Technology (shenzhen) Co., Ltd., model MZC-KZ-06. The packaging for this product indicates that it meets GB2626-2006 (the Chinese standard for Respiratory Protective Equipment – Non-Powered Air-Purifying Particle Respirator).

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](#).

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 44.00% and 39.90%, respectively. All ten 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: May 22, 2020

Report Prepared: May 22, 2020

Manufacturer: Mezorrison Health Science & Technology (shenzhen) Co., Ltd.

Item Tested: MZC-KZ-06

Country of Certification: China (GB2626-2006)

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	7.5	56.8	57.5	42.50
2	85	6.8	59.1	59.1	40.90
3	85	7.1	57.4	57.5	42.50
4	85	6.9	56.8	57.3	42.70
5	85	7.0	56.8	57.0	43.00
6	85	7.4	58.8	58.8	41.20
7	85	8.7	58.9	59.0	41.00
8	85	7.2	58.3	58.7	41.30
9	85	7.2	60.1	60.1	39.90
10	85	7.1	55.3	56.0	44.00
Minimum Filter Efficiency: 39.90			Maximum Filter Efficiency: 44.00		

- 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.



SCHEMATIC DIAGRAM OF WEARING PROTECTIVE MASK



- Hold the mask with your hands to cover the nose and mouth area, put your chin against the mask, and pull the ears to the ears.
- Adjust the position of the mask, press the metal nose clips from the center of the nose to the sides with both fingers
- Until it is fully pressed against the bridge of the nose

PRECAUTIONS FOR USE

- This mask can be used for respiratory protection of certain non-oily particles (dust, pollen and other productive dust and non-volatile smog and other air pollutants)
- This product cannot be used in hypoxic environments
- This product cannot be used for protective filtering of toxic gases and vapors
- Masks are contaminated, damaged, aging, invalid, etc. and need to be replaced with new ones

EXECUTIVE STANDARD GB2626-2006 KN95

Children must be under the guidance of adults, please keep in a safe place to avoid accidental

Brand: MEZORISON

Shelf Life: 3years

Name: Protective Mask

Production Date: See Package

Model: MZC-KZ-06

Executive Standard: GB2626-2006 KN95

Grade: First Class

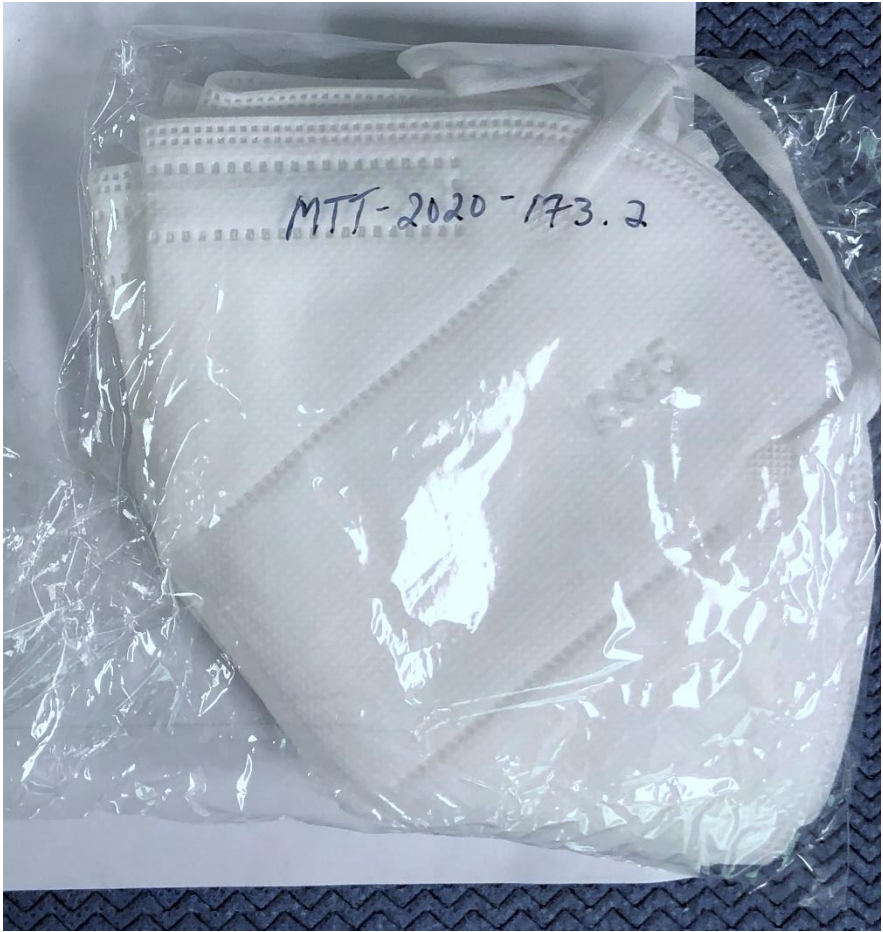
Service Hotline: 4009 611 898

Manufacturer: Mezorison Health Science & Technology(shenzhen)Co.,Ltd

Address: No.12 Yuhe Road,Shiyan Town,BaoanDistrict,Shenzhen



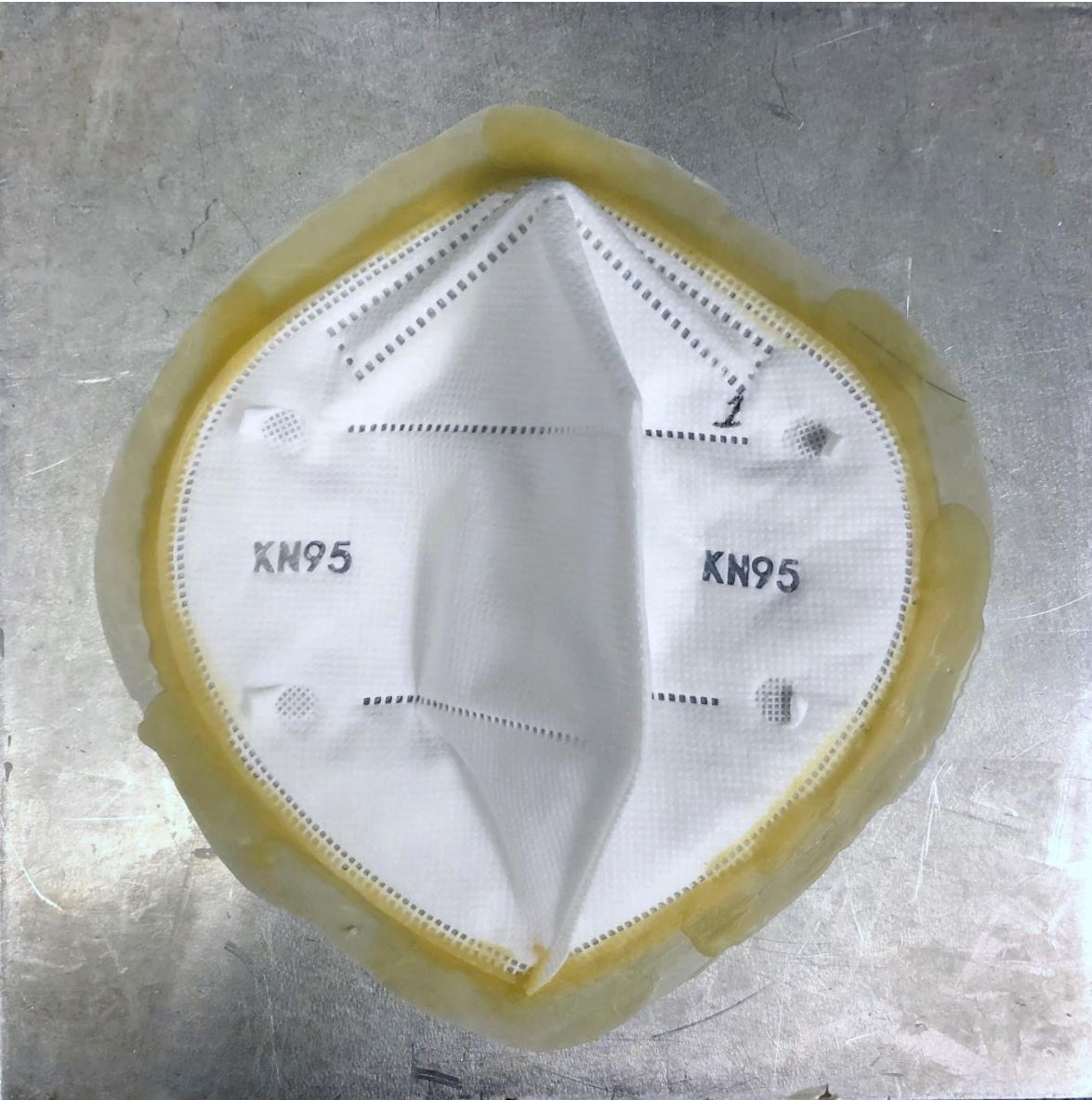
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