Manufacturer: Xiantao Zhong Yi Safety & Protection Products Co., Ltd. Model Tested: ZYB II Date Tested: May 28, 2020

These findings pertain to the Xiantao Zhong Yi Safety & Protection Products Co., Ltd., model ZYB II. The packaging and labeling for this product indicates that it is a NIOSH-approved product, under approval number TC-84A-7577.

Forty respirators were submitted for evaluation. However, since these are NIOSH-approved respirators, only ten samples were tested. Samples 1-5 were from the container labeled 1B42 and samples 6-10 were from the container labeled 1B40. 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 <u>here</u>.

The maximum and minimum filter efficiency was 99.82% and 99.12%, respectively. All ten respirators measured more than 95%.

This product has head bands/straps. 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 <u>Crisis Capacity Strategies (during known</u> <u>shortages)</u>.

Evaluation of International Respirators

Test: Modified TEB-APR-STP-0059

Date Tested: May 28, 2020

Report Prepared: May 29, 2020

Manufacturer: Xiantao Zhong Yi Safety & Protection Products Co., Ltd.

Item Tested: ZYB II

Country of Certification: USA (42 CFR 84)

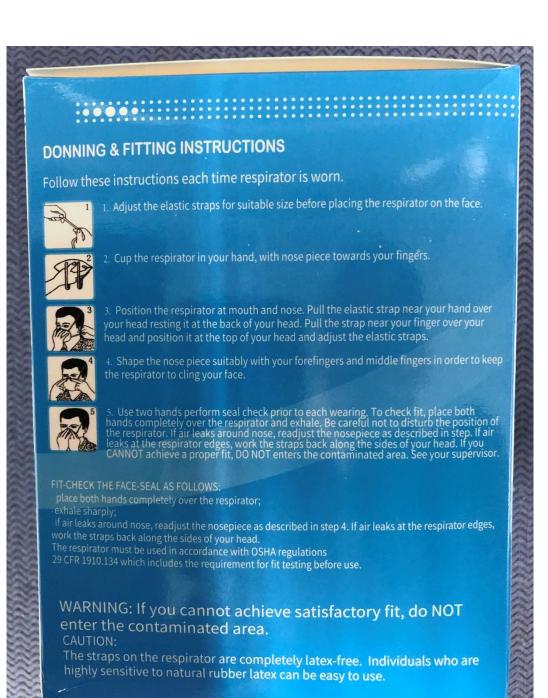
Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
1	85	15.4	0.54	0.55	99.45
2	85	16.2	0.18	0.18	99.82
3	85	16.1	0.18	0.19	99.81
4	85	15.5	0.27	0.29	99.71
5	85	15.5	0.30	0.30	99.70
6	85	12.3	0.62	0.71	99.29
7	85	12.5	0.60	0.69	99.31
8	85	12.3	0.75	0.88	99.12
9	85	12.5	0.57	0.71	99.29
10	85	12.4	0.59	0.78	99.22
	Minimum Filter Eff	iciency: 99.12	Maximum Filter Efficiency: 99.82		

- 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.



Pictures have been added to the end of this report.





..... **USE INSTRUCTIONS:** 1. Failure to follow all instructions and limitations 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 sickness or death. 2. Before occupational use of this respirator, a written respiratory protection program must be implemented meeting all the requirements of OSHA 29 CFR 1910.134 such as training and fit testing and applicable OSHA substance specific standards. 3. The particles which can be dangerous to your health include those so small that you cannot see them. 4. Leave the contaminated area immediately and contact supervisor if dizziness, irritation, or other distress occurs. 5. Store the respirator away from contaminated areas when not in use. 6. Dispose of used product in accordance with applicable regulations.

USE LIMITATIONS:

- Do NOT use the respirator or enter or stay in a contaminated area under the following circumstances:
 atmosphere contains less than 19.5% oxygen.
 atmosphere contains oil aerosols.
 for protection against gases or vapors.
 Contaminants or their concentrations are unknown or immediately dangerous to life or health.
 for sandblasting, paint-spray operations, asbestos.
 Do NOT use the respirator with beards or other facial hair that interferes with direct contact between the face and the edge of the respirator, or any other conditions that may prevent a good face-seal.











