Manufacturer: Anhui Zhongke Duling Commercial Appliance Co., Ltd. Model Tested: M-9501 Date Tested: June 18, 2020

These findings pertain to the Anhui Zhongke Duling Commercial Appliance Co., Ltd., model M-9501. The packaging and labeling for this product indicate that it meets GB2626-2006 (the Chinese standard for Respiratory Protective Equipment – Non-Powered Air-Purifying Particle Respirator).

Thirty respirators were submitted for evaluation. The respirators were sampled into groups of ten 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 <u>here</u>.

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 99.86% and 99.53%, respectively. All thirty respirators measured more 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 <u>Crisis Capacity Strategies (during known</u> <u>shortages)</u>.

## **Evaluation of International Respirators**

Test: Modified TEB-APR-STP-0059

Date Tested: June 18, 2020

Report Prepared: June 18, 2020

Manufacturer: Anhui Zhongke Duling Commercial Appliance Co., Ltd.

Item Tested: M-9501 (Sample Group 1 of 3)

Country of Certification: China (GB2626-2006)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH <sub>2</sub> O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
1	85	13.0	0.15	0.24	99.76
2	85	12.1	0.11	0.17	99.83
3	85	14.0	0.20	0.26	99.74
4	85	14.1	0.08	0.18	99.82
5	85	15.1	0.11	0.19	99.81
6	85	13.0	0.16	0.20	99.80
7	85	13.3	0.11	0.18	99.82
8	85	12.1	0.10	0.17	99.83
9	85	15.3	0.16	0.16	99.84
10	85	13.1	0.10	0.18	99.82
	Minimum Filter Eff	iciency: 99.74	Maximum Filter Efficiency: 99.84		

- 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.

Test: Modified TEB-APR-STP-0059

Date Tested: June 18, 2020

Report Prepared: June 18, 2020

Manufacturer: Anhui Zhongke Duling Commercial Appliance Co., Ltd.

Item Tested: M-9501 (Sample Group 2 of 3)

Country of Certification: China (GB2626-2006)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH <sub>2</sub> O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
11	85	13.7	0.24	0.33	99.67
12	85	13.4	0.06	0.14	99.86
13	85	18.6	0.14	0.26	99.74
14	85	16.1	0.13	0.28	99.72
15	85	17.6	0.17	0.26	99.74
16	85	12.0	0.22	0.27	99.73
17	85	14.9	0.08	0.17	99.83
18	85	17.8	0.32	0.44	99.56
19	85	12.6	0.20	0.28	99.72
20	85	15.3	0.16	0.27	99.73
	Minimum Filter Efficiency: 99.56		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.
- 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.

Test: Modified TEB-APR-STP-0059

Date Tested: June 18, 2020

Report Prepared: June 18, 2020

Manufacturer: Anhui Zhongke Duling Commercial Appliance Co., Ltd.

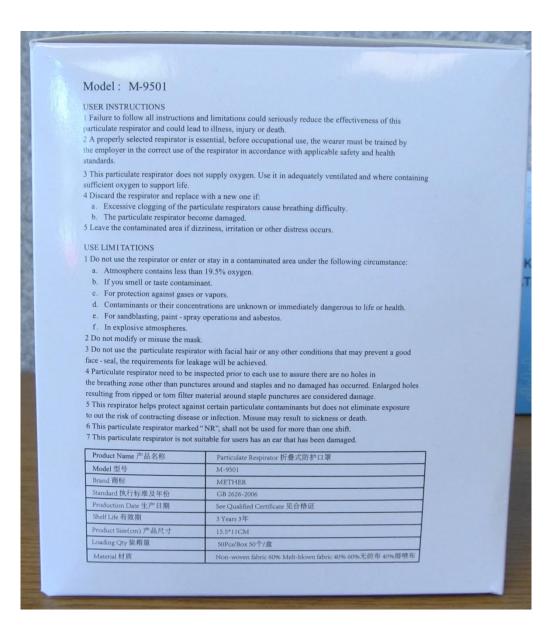
Item Tested: M-9501 (Sample Group 3 of 3)

Country of Certification: China (GB2626-2006)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH <sub>2</sub> O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
21	85	13.5	0.27	0.37	99.63
22	85	15.7	0.31	0.38	99.62
23	85	12.4	0.09	0.19	99.81
24	85	14.6	0.41	0.47	99.53
25	85	17.9	0.19	0.29	99.71
26	85	14.3	0.27	0.35	99.65
27	85	13.5	0.21	0.29	99.71
28	85	15.5	0.19	0.27	99.73
29	85	12.8	0.30	0.33	99.67
30	85	12.7	0.12	0.19	99.81
	Minimum Filter Efficiency: 99.53		Maximum Filter Efficiency: 99.81		

- 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.





#### o mis particulate respirator marked two, shan not be used for more than one sint.

7 This particulate respirator is not suitable for users has an ear that has been damaged.

Product Name 产品名称	Particulate Respirator 折叠式防护口罩	
Model 型号	M-9501	
Brand 商标	METHER	
Standard 执行标准及年份	GB 2626-2006	
Production Date 生产日期 See Qualified Certificate 见合格证		
Shelf Life 有效期	3 Years 3年	
Product Size(cm) 产品尺寸	15.5*11CM	
Loading Qty 裝箱量	50Pcs/Box 50个/盒	
Material 材质 Non-woven fabric 60% Melt-blown fabric 40% 60%无纺布 40%		















