NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Jiangsu Weichuangli New Materials Co., Ltd.
Model Tested: Pulsar PMN9520 (WCL-0075)
Date Tested: June 20, 2020

These findings pertain to the Jiangsu Weichuangli New Materials Co., Ltd., model Pulsar PMN9520 (WCL-0075). The packaging for this product indicates 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 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 99.62% and 89.40%, respectively. Twenty-five respirators measured more than 95%. Five 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.

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 Crisis Capacity Strategies (during known shortages).

Evaluation of International Respirators

NPPTL
National Personal Protective Technology Laboratory

Test: Modified TEB-APR-STP-0059

Date Tested: June 20, 2020

Report Prepared: June 20, 2020

Manufacturer: Jiangsu Weichuangli New Materials Co., Ltd.

Item Tested: Pulsar PMN9520 (WCL-0075) (Sample Group 1 of 3)

Country of Certification: China (GB2626-2006)

Pictures have been added to the end of this report.

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH_2O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
1	85	10.1	0.81	0.81	99.19
2	85	8.4	10.60	10.60	89.40
3	85	11.7	0.90	0.90	99.10
4	85	11.2	0.76	0.76	99.24
5	85	12.2	4.17	4.17	95.83
6	85	10.3	1.40	1.40	98.60
7	85	17.1	1.00	1.00	99.00
8	85	11.2	8.80	6.80	93.20
9	85	18.0	0.38	0.38	99.62
10	85	12.9	2.16	2.16	97.84
Minimum Filter Efficiency: 89.40			**Maximum Filter Efficiency: 99.62**		

- 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

Test: Modified TEB-APR-STP-0059

Date Tested: June 20, 2020

Report Prepared: June 20, 2020

Manufacturer: Jiangsu Weichuangli New Materials Co., Ltd.

Item Tested: Pulsar PMN9520 (WCL-0075) (Sample Group 2 of 3)

Country of Certification: China (GB2626-2006)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH_2O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
11	85	12.9	0.84	0.84	99.16
12	85	13.3	9.92	9.92	90.08
13	85	19.4	0.71	0.71	99.29
14	85	12.2	1.42	1.42	98.58
15	85	10.6	1.79	1.79	98.21
16	85	7.5	2.74	2.74	97.26
17	85	13.0	1.66	1.66	98.34
18	85	15.2	0.78	0.78	99.22
19	85	12.6	2.06	2.06	97.94
20	85	12.5	1.35	1.35	98.65
Minimum Filter Efficiency: 90.08			**Maximum Filter Efficiency: 99.29**		

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NPPTL COVID-19 Response: International Respirator Assessment

Test: Modified TEB-APR-STP-0059

Date Tested: June 20, 2020

Report Prepared: June 20, 2020

Manufacturer: Jiangsu Weichuangli New Materials Co., Ltd.

Item Tested: Pulsar PMN9520 (WCL-0075) (Sample Group 3 of 3)

Country of Certification: China (GB2626-2006)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH_2O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
21	85	10.6	7.07	7.07	92.93
22	85	13.3	0.59	0.59	99.41
23	85	10.4	2.33	2.33	97.67
24	85	15.2	1.62	1.62	98.38
25	85	10.6	4.75	4.75	95.25
26	85	9.4	4.03	4.03	95.97
27	85	10.3	6.77	6.77	93.23
28	85	11.2	1.13	1.13	98.87
29	85	10.5	4.47	4.47	95.53
30	85	13.0	3.25	3.25	96.75
Minimum Filter Efficiency: 92.93			**Maximum Filter Efficiency: 99.41**		

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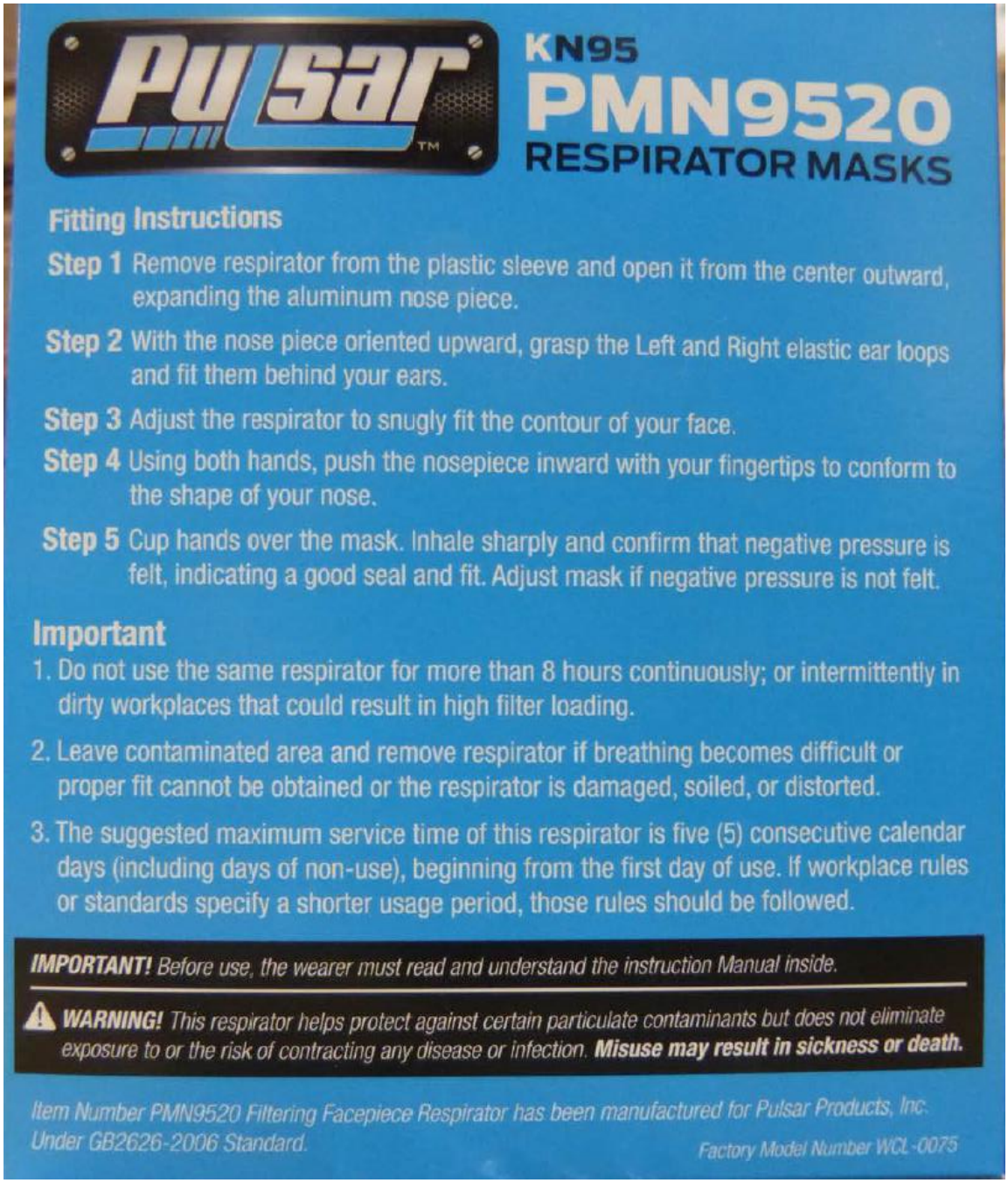
Pulsar
KN95
PMN9520
RESPIRATOR MASKS
95% EFFICIENT FILTER AGAINST AIRBORNE PARTICULATES
• All Day Comfort
• Contour Fit Design
• Moldable Nosepiece for Enhanced Seal
• Easy to Speak and Breathe
BOX OF 20 RESPIRATOR MASKS
KN95


Pulsar
KN95
PMN9520
RESPIRATOR MASKS
Fitting Instructions
Step 1 Remove respirator from the plastic sleeve and open it from the center outward, expanding the aluminum nose piece.
Step 2 With the nose piece oriented upward, grasp the Left and Right elastic ear loops and fit them behind your ears.
Step 3 Adjust the respirator to snugly fit the contour of your face.
Step 4 Using both hands, push the nosepiece inward with your fingertips to conform to the shape of your nose.
Step 5 Cup hands over the mask. Inhale sharply and confirm that negative pressure is felt, indicating a good seal and fit. Adjust mask if negative pressure is not felt.
Important
1. Do not use the same respirator for more than 8 hours continuously; or intermittently in dirty workplaces that could result in high filter loading.
2. Leave contaminated area and remove respirator if breathing becomes difficult or proper fit cannot be obtained or the respirator is damaged, soiled, or distorted.
3. The suggested maximum service time of this respirator is five (5) consecutive calendar days (including days of non-use), beginning from the first day of use. If workplace rules or standards specify a shorter usage period, those rules should be followed.
IMPORTANT! Before use, the wearer must read and understand the instruction Manual inside.
WARNING! This respirator helps protect against certain particulate contaminants but does not eliminate exposure to or the risk of contracting any disease or infection. Misuse may result in sickness or death.
Item Number PMN9520 Filtering Facepiece Respirator has been manufactured for Pulsar Products, Inc. Under GB2626-2006 Standard.
Factory Model Number WCL-0075


Pulsar
KN95
PMN9520
RESPIRATOR MASKS
95% EFFICIENT FILTER
AGAINST AIRBORNE
PARTICULATES
KN95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RESPIRATOR MASKS
95% EFFICIENT FILTER AGAINST
AIRBORNE PARTICULATES
• All Day Comfort
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Enhanced Seal
• Easy to Speak and Breathe
KN95
BOX OF
20
RESPIRATOR
MASKS
DISTRIBUTED BY: PULSAR PRODUCTS INC.
5721 E. Santa Ana St. • Ontario, CA 91761
8 14726 02637 0
MADE IN CHINA

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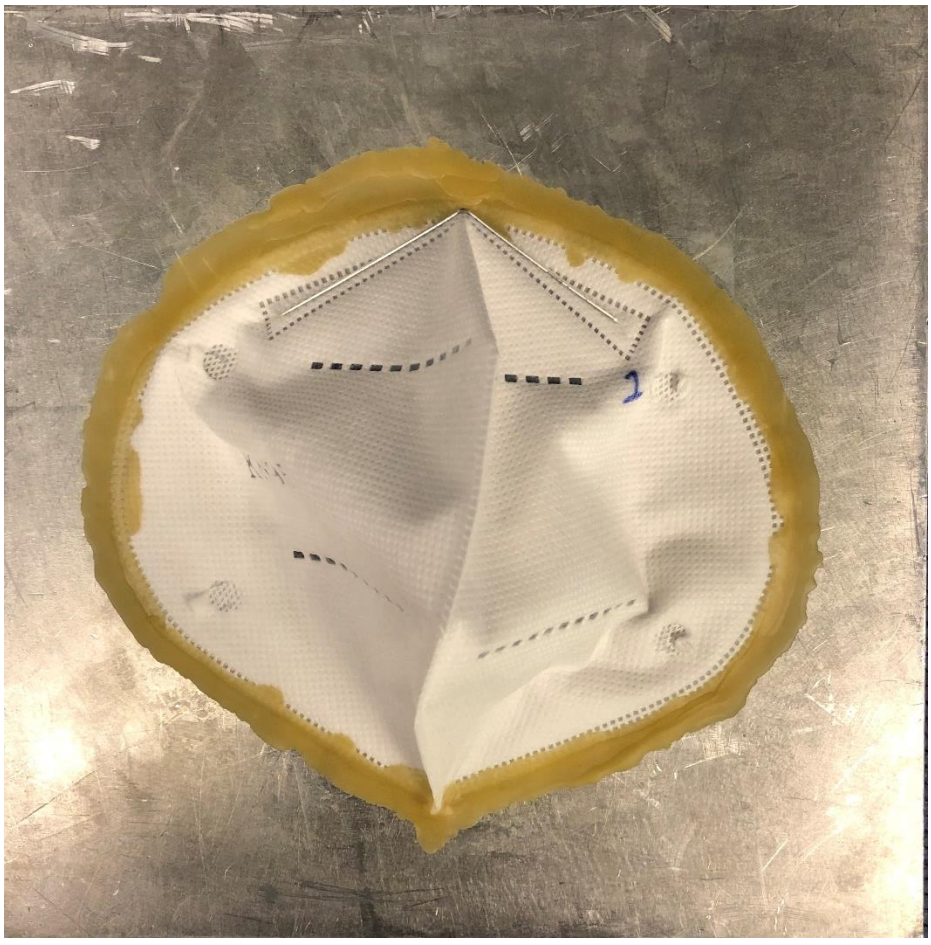

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