

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Guangzhou Powecom Labor Insurance Supplies Co., Ltd.

Model Tested: 9502 Particle filtering half mask (non-medical)

Date Tested: August 31, 2020

These findings pertain to the Guangzhou Powecom Labor Insurance Supplies Co., Ltd., model 9502 Particle filtering half mask (non-medical). The packaging and labeling for this product indicate that it meets EN149:2001+A1:2009 (the European 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](#).

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 99.62%, respectively. All 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.

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 respirators 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: August 31, 2020

Report Prepared: August 31, 2020

Manufacturer: Guangzhou Powecom Labor Insurance Supplies Co., Ltd.

Item Tested: 9502 Particle filtering half mask (non-medical)

Country of Certification: European (EN149:2001+A1:2009)

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	12.8	0.38	0.38	99.62
2	85	13.5	0.19	0.19	99.81
3	85	11.4	0.14	0.14	99.86
4	85	13.0	0.34	0.34	99.66
5	85	13.0	0.34	0.34	99.66
6	85	12.5	0.24	0.24	99.76
7	85	15.1	0.32	0.32	99.68
8	85	12.9	0.31	0.31	99.69
9	85	13.6	0.31	0.31	99.69
10	85	11.4	0.24	0.24	99.76
Minimum Filter Efficiency: 99.62%			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.



USER INSTRUCTION

- 1. Failure to follow all instructions and limitations could seriously reduce the effectiveness of this particulate half mask and could lead to illness, injury or death.
- 2. A properly selected respirator is essential, before occupational use, the wearer must be trained by the employer in the correct use of the respirator in accordance with applicable safety and health standards.
- 3. This particulate half mask does not supply oxygen. Use only in adequately ventilated areas ascertaining sufficient oxygen to support life.
- 4. Discard the respirator and replace with a new one if:
 - a. Excessive clogging of the particulate half mask cause breathing difficulty.
 - b. The particulate half mask become damaged.
- 5. Leave the contaminated area if dizziness, irritation or other distress occurs.



USE LIMITATION

- 1. Do not use the respirator or enter or stay in a contaminated area under the following circumstance:
 - (a. Atmosphere contains less than 19.5% oxygen
 - (b. If you smell or taste contaminant
 - (c. For protection against gases or vapors
 - (d. Contaminants or their concentrations are unknown or immediately dangerous to life or health.
 - (e. For sandblasting, paint-spray operations and asbestos.
 - (f. In explosive atmospheres
- 2. Do not modify or misuse the mask
- 3. Do not use the particulate half mask with facial hair or any other conditions that may prevent a good face-seal, the requirements for leakage will be achieved
- 4. Particulate filtering half mask need to be inspected prior to each use to assure there are no holes in the breathing zone other than punctures around and staples and no damaged has occurred. Enlarged holes resulting from ripped or torn filter material around staple punctures are considered damage.
- 5. This respirator helps protect against certain particulate contaminants but does not eliminate exposure to the risk of contracting disease or infection. Misuse may result in sickness or death
- 6. This particulate half mask marked "NR", shall not be used for more than one shift

FITTING INSTRUCTION

- 1. Place fingers inside the particulate half mask. Bend the nose clip around fingers to form nose shape
- 2. Hold the particulate half mask in position over the nose and mouth, pull the head harness behind the head.
- 3. Using both hands, form the nose clip around the nose and shift the head harness to ensure a positive face seal.
- 4. Fit check
 - a. To test the fit of the particulate half mask without an exhalation valve, cup both hands over mask and inhale sharply.
 - b. If air flow is felt in the nose area, re-adjust/tighten the nose clip.
 - c. If air flows is felt around the edges of the respirator, re-position the particulate half maskhead harness to achieve a better fit



Filtering half masks meet the requirements of Regulation (EU) 2016/425. They have been tested according to EN 149:2001+A1:2009 FFP2 NR. Module B (EU type-Examination Certification) and Module D Certification have been issued by CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15, D15 AKK1, Ireland (NB 2834).

Manufacturer: Guangzhou Powecom Labor Insurance Supplies Co., Ltd.
Address: Floor 1, 3 and 4, Building 1, No. 43, Tuanjie Road, Xinya Street, Huadu District, Guangzhou City, Guangdong Province, P.R. China
TEL: +86-020-86600663 **FAX:** +86-020-36092323
Email: powecom618@163.com
http://www.powecom.com

Made In China

CE 2834



合格证

CERTIFICATE

品名:颗粒物防护口罩(非医用)

Item: Particle filtering half mask (Non-Medical)

品牌: 保为康

Brand: powecom

型号: 9502

Model No.: 9502

规格: 16 x 10.5cm

Specification: 16 x 10.5cm

生产日期: 2020/05/05

Data of Manufacture: 05/05/2020

有效期: 3年

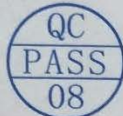
Validity: Three years

生产批次: 20200505

Batch No.: 20200505

Inspector:

检验员:



执行标准: EN149:2001+A1:2009

Standard: EN149:2001+A1:2009

主要成分: 46% PP 无纺布, 28% 熔喷布,
26% 热风棉

Composition: 46% PP Non-woven fabric
28% Melt blown fabric
26% ES hot air cotton

生产商: 广州市保为康劳保用品有限公司

Manufacturer: Guangzhou Powecom Labor Insurance
Supplies Co., Ltd.

地址: 广州市花都区新雅街团结路自编43号
1栋一、三、四层

Add: loor 1, 3 and 4, Building 1, No. 43, Tuanjie Road, Xinya
Street, Huadu District, Guangzhou City, Guangdong
Province, P.R. China

NPPTL COVID-19 Response: International Respirator Assessment



NPPTL COVID-19 Response: International Respirator Assessment



NPPTL COVID-19 Response: International Respirator Assessment

