

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: 3M

Model Tested: 9501+

Date Tested: June 23, 2020

These findings pertain to the 3M, model 9501+. The packaging and labeling 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 98.79% and 97.99%, respectively. All ten 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 [Crisis Capacity Strategies \(during known shortages\)](#).

Evaluation of International Respirators

Test: Modified TEB-APR-STP-0059

Date Tested: June 23, 2020

Report Prepared: June 23, 2020

Manufacturer: 3M

Item Tested: 9501+

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	7.9	0.72	1.40	98.60
2	85	7.6	0.58	1.23	98.77
3	85	7.8	0.73	1.46	98.54
4	85	7.9	0.67	1.30	98.70
5	85	8.3	0.61	1.21	98.79
6	85	7.6	0.78	1.67	98.33
7	85	7.7	0.74	1.84	98.16
8	85	7.6	0.63	1.33	98.67
9	85	7.9	0.78	2.01	97.99
10	85	7.7	0.75	1.58	98.42
Minimum Filter Efficiency: 97.99			Maximum Filter Efficiency: 98.79		

- 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.

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鉴别方法 / Identification

3M独有的活性炭色带的变色效果是鉴别方法如下:

- 正面观察
正面观察时, 呼吸器上的活性炭色带应呈现均匀的黑色。
- 侧面观察
将呼吸器侧放, 观察活性炭色带, 应呈现均匀的黑色。

同时也可通过拨打400电话或登录3M官方网站输入呼吸器序列号进行电话或网络查询。

请仔细阅读产品说明书。

3M

MT-2020-156.1

自吸过滤式防颗粒物呼吸器
随弃式面罩(口罩)无呼气阀
GB2626-2006 KN95

标准号/耳带式
Standard Size / Earloop

9501+系列

E200701210
AF40080000YH
20200309

扫码赢大奖
*详情请见包装顶部活动说明

9501+ (原9001口罩升级款)



50  /袋


Particulate Respirator
(防颗粒物口罩)

3M SCIENCE OF FIT
适合性科学

400 920 3595
免费技术服务热线

周一-周五 上午8:30-12:00 下午12:00-17:00
周六-周日 上午8:30-12:00 节假日除外

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9501+

upward slash 20
DBZ
for photos

良好稳定的可调节鼻夹

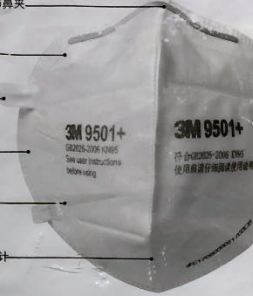
为亚洲人脸型设计

舒适型织带

3M™新一代滤棉材料，为轻松呼吸而设计

柔软内衬表面

下巴处无缝折叠式设计



注意：
使用前，佩戴者必须阅读并理解这些使用说明。请保存这些使用说明以便参考。参见制造商提供信息。

用于：
在研磨、砂纸打磨、清扫、锯切、装袋等过程中，或在矿石、含石英矿物、煤、铁矿、重金属、面粉、木材、花粉和某些其它物质的加工过程中产生的颗粒物。由喷雾产生的、不挥发油气液或蒸气的液态或非液态的颗粒物，焊接、铜焊、切割和其它有金属加热过程的操作所产生的金属烟。

不可用于：
不可用于防护气体和蒸气、油性气溶胶或喷射作业；颗粒物浓度超过10倍职业暴露限值或适用的政府法规规定的浓度，以其中较低者为准。本防护口罩不产生氧气。请不要在氧气浓度低于19.5%的空气中使用。
不可用于颗粒物浓度超过适用的法规和标准所规定的最高使用浓度。最高使用浓度是由GB/T 18864《呼吸防护用品的选择、使用与维护》规定的该类呼吸器的指定防护因数(APF)与允许的污染物职业暴露限值(OEL)的乘积。

使用限制和警告

1. 在首次佩戴防护口罩之前，佩戴者应先接受正确使用的培训和适合性检验。
2. 当气溶胶浓度达到立即威胁生命和健康浓度时，不可使用本防护口罩。
3. 当感觉呼吸困难、头晕或其它不适时，应立即离开污染区域。
4. 当防护口罩破损或呼吸阻力变得过大时，应更换新口罩。
5. 每次使用前检查防护口罩以确保其处于良好的工作状态。检查防护口罩的所有部件，包括两根耳带和鼻夹，看是否有损坏的迹象。
6. 不得改装、清洗、 reuse 或错误使用本防护口罩。
7. 若胡须、面部毛发或其它面部特征阻碍面部与口罩边缘取得良好密封，不可使用本防护口罩。
8. 在适用的政府法规限制范围内使用。
9. 使用过程中永远遵循使用说明和警告佩戴防护口罩，并且/或未能在暴露于污染物的整个过程中全程佩戴防护口罩，会降低防护口罩的有效性，并可能导致疾病，或对健康造成永久性伤害。
10. 务必避免外力撞击、挤压，导致口罩变形、损坏。在骑车、跑步等运动过程中佩戴需特别注意。
11. 本产品内含有鼻夹等部件如受外力作用，可能导致人身伤害。

储存条件和保质期
未开封产品在保证储存温度在-20℃至+30℃范围内，相对湿度低于80%的条件下，保质期为从生产之日起五年。
本产品不含天然橡胶成分。

IMPORTANT
Before use, the wearer must read and understand these **User Instructions**. Keep these instructions for reference. See the manufacturer's website for more information.

Use For
Particulates such as those from grinding, sanding, sweeping, bagging or processing minerals, silica, coal, iron ore, heavy metal, flour, wood, pollen and certain other substances. Liquid or non-oil based particles from sprays that do not also emit oil aerosols or vapors. Metal fumes produced from welding, brazing, cutting and other operations involving heating of metals.

Do Not Use For
Do not use for gases and vapors, oil aerosols, or sea blasting; particulate concentrations that exceed either 10 times the occupational exposure limit or applicable government regulations, whichever is lower. This respirator does not supply oxygen. Do not use in atmospheres containing less than 19.5% oxygen.
Do not use for particulates in concentrations that exceed the maximum allowable concentration required by the applicable regulation and standard. The maximum allowable concentration is obtained by multiplying the Assigned Protection Factor (APF) provided by GB/T 18864 "Selection, Use and Maintenance of Respiratory Protective Equipment" and the permissible Occupational Exposure Limit (OEL) of the contaminant.

Use Limitations and Warnings

1. This respirator must first be trained in the proper use and fit tested before use; this respirator.
2. Do not use this respirator when concentrations of contaminants are immediately dangerous to life or health.
3. Leave the contaminated area immediately if breathing becomes difficult, or dizziness or other distress occurs.
4. Do not use and replace respirator if it becomes damaged or breathing resistance becomes excessive.
5. Inspect the respirator before each use to ensure it is in good working condition. Examine all the respirator parts for signs of damage including the two straps and noseclip.
6. Do not use, wash, abuse or misuse this respirator.
7. Do not use with beards or other facial hair or other conditions that prevent a good seal between the face and the sealant edge of the respirator.
8. Do not use up to the limits specified by applicable government regulations for this product.
9. Failure to follow all instructions and warnings on the use of this respirator and/or failure to wear this respirator during use may reduce respirator effectiveness and may result in illness or permanent disability.
10. Make sure the respirator is not crushed or squeezed by an outside force, as this may result in a deformation and leakage of the respirator. Especially pay more attention when the wearer is biking, running or conducting other activities.
11. Outside forces acting upon the nose clip on the respirator may result in injury to the wearer.

Storage Conditions and Shelf Life
Shelf life of unopened product is 5 years from date of manufacture when stored within temperature range of -20°C to +30°C and at less than 80% relative humidity.
This respirator contains no components made from natural rubber latex.

佩戴说明：

1. 面向口罩无鼻夹的一面，两手各拉住一边耳带，使鼻夹位于口罩上方。
2. 用口罩遮住下巴。
3. 将耳带拉至耳后，调整耳带感觉尽可能舒适。
4. 将双手手指置于金属鼻夹中部，一边向内按压一边顺着鼻夹向两侧移动指尖，直至将鼻夹完全按压成弧形为止。仅用单手指捏鼻夹可能会影响口罩的密封性。
5. 在进入工作区域之前，使用者必须检查口罩与脸部的密封性。
 - a) 用双手罩住口罩，避免影响口罩在脸上的位置。
 - b) 快速呼气，如空气从鼻梁处泄漏，应逐步调整鼻夹；如空气从口罩边缘泄漏，应重新调整耳带。如果无法取得良好密封，不要进入污染区域。请与您的主管联系。
 - c) 如果没有感觉泄漏，可进入工作区工作。
 牢固地按压耳带于脸上以形成良好的密封是非常重要的。

警告

本产品只用于对某些颗粒物的呼吸防护。错误使用可导致疾病甚至死亡。欲了解正确使用方法和参见包装上说明，请致电的主管或致电3M公司，400-920-3595。

警告

This respirator helps protect against certain particulates. Misuse can result in sickness or death. For proper use, see supervisor or User Instructions on package or call 3M, 400-920-3595.

3M


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Fax: 021-2219-5335
Website: <http://www.3m.com.cn>
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温度范围：-20℃至+30℃
Temperature Range: -20°C to +30°C

最大相对湿度：<80%
Maximum Relative Humidity: <80%

保质期（未开封产品）：自生产之日起五年
Shelf life of unopened product is 5 years from date of manufacture.



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