NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: National High-Tech Enterprise Chengde Technology Co., Ltd.
Model Tested: PM2.5
Date Tested: August 28, 2020

These findings pertain to the National High-Tech Enterprise Chengde Technology Co., Ltd., model PM2.5. 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).

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 95.97% and 93.77%, respectively. Five respirators measured more than 95%. Five respirators measured less then 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 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

NPPTL
National Personal Protective Technology Laboratory

Test: Modified TEB-APR-STP-0059

Date Tested: August 28, 2020

Report Prepared: August 28, 2020

Pictures have been added to the end of this report.

Manufacturer: National High-Tech Enterprise Chengde Technology Co., Ltd.

Item Tested: PM2.5

Country of Certification: China (GB2626-2006)

Filter	Flow Rate (LPM)	Initial Filter Resistance (mmH_2O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency (%)
1	85	18.1	4.03	4.03	95.97
2	85	15.5	6.23	6.23	93.77
3	85	15.4	5.17	5.17	94.83
4	85	17.8	4.24	4.24	95.76
5	85	19.2	4.84	4.84	95.16
6	85	16.4	4.49	4.49	95.51
7	85	17.1	4.76	4.76	95.24
8	85	15.8	5.97	5.97	94.03
9	85	16.6	5.34	5.34	94.66
10	85	16.9	5.25	5.25	94.75
Minimum Filter Efficiency: 93.77%			**Maximum Filter Efficiency: 95.97%**		

- 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.


符合国标GB2626-2006
KN95
PM2.5
折叠式防护口罩
柔软舒适 呼吸畅快
防护雾霾、花粉、流感病毒、灰尘、汽车尾气中的烟尘
过滤效率≥
95%
KN95
折叠式口罩
可调节鼻夹
柔软内衬
周到防护
四层过滤


符合国标GB2626-2006
KN95
折叠式防护口罩
佩戴说明
GB2626-2006是国家质量监督检验检疫总局颁布的防颗粒物口罩的强制性国家标准，要求同时检测防颗粒物过滤效率和真人佩戴情况下的密合性，检测过滤效率规定必须使用粒径为0.3微米的颗粒物，因为粒径为0.3微米的颗粒物是最难过滤的。本产品对非油性颗粒物过滤效率≥95%。
步骤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
步骤2
用口罩抵住下巴
步骤3
将耳带拉至耳后，调整耳带至感觉尽可能舒适
步骤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，直至将鼻夹完全压成鼻梁形状为止
步骤5
检查密合
密合提示
按住鼻夹并调整耳带以形成良好的密合，确保使用前检查口罩与脸部的密合性。良好的密合有助于达到口罩预期防护作用。
A 用双手罩住口罩，避免影响口罩在脸上的位置。
B 快速吸气。如空气从鼻梁处泄露，应按步骤4重新调整鼻夹；如空气从口罩边缘泄露，应重新调整耳带；如不能取得良好的密合，应该重复1-4的步骤，如果还是无法取得密合，应该选用其他型号或类别的口罩。
使用范围
本防护口罩可用于某种非油性颗粒物的呼吸防护，如飞沫、灰尘、沙尘、花粉、尾气等各类生产性粉尘和没有挥发性的雾等空气污染物，可作为对环境空气污染细颗粒物的保护。
参见制造商提供信息。
国家高新技术企业
诚德科技股份有限公司
地址:浙江省龙港市世纪大道888号
电话:0577-59889395
生产日期:见包装
主要组件:无纺布、熔喷布、铝鼻夹
储存条件:温度范围:-20℃至+30℃
最大相对湿度:＜80%
保存期限:自生产日起3年
产地:中国温州
6 971705 400041
包装印制: 0577-26819999

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