NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Suzhou Jinruida Protective Equipment Co, Inc.
Model Tested: KN95 Three Dimensional Respirator
Date Tested: April 23, 2020

These findings pertain to the Suzhou Jinruida Protective Equipment Co., Inc., KN95 Three Dimensional Respirator. The labeling provided 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 99.31% and 97.87%, 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

NPPTL
National Personal Protective Technology Laboratory

Test: Modified TEB-APR-STP-0059

Date Tested: April 23, 2020

Report Prepared: April 24, 2020

Manufacturer: Suzhou Jinruida Protective Equipment Co, Inc.

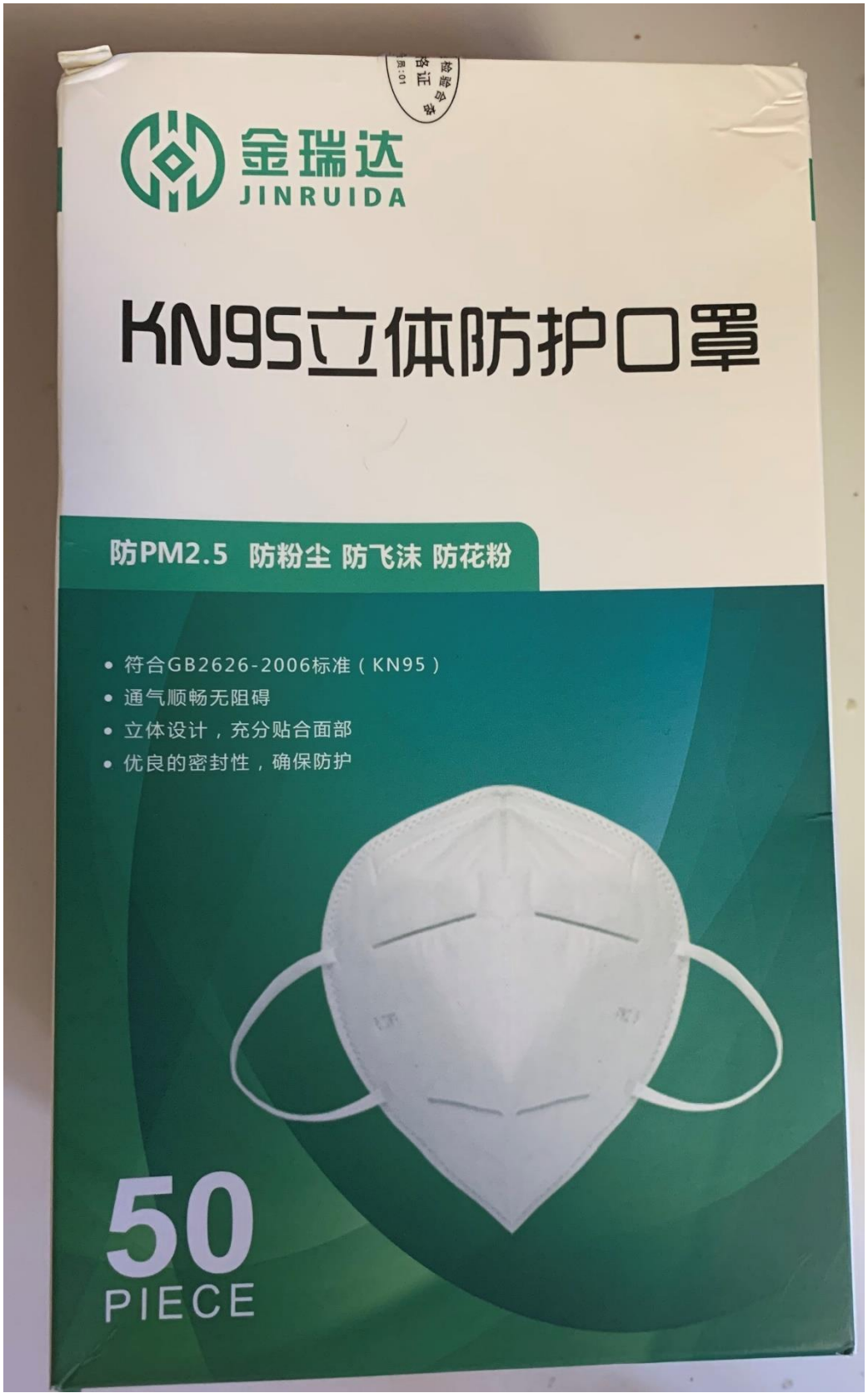
Item Tested: KN95 Three Dimensional Respirator

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	9.9	0.66	0.76	99.24
2	85	9.8	1.60	1.86	98.14
3	85	10.1	0.79	0.96	99.04
4	85	10.1	0.73	0.83	99.17
5	85	12.2	0.67	0.69	99.31
6	85	10.1	0.65	0.77	99.23
7	85	9.8	0.76	0.86	99.14
8	85	10.1	1.79	2.13	97.87
9	85	10.0	0.68	0.81	99.19
10	85	9.8	0.73	0.85	99.15
Minimum Filter Efficiency: 97.87			**Maximum Filter Efficiency: 99.31**		

- 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.


金瑞达
JINRUIDA
KN95立体防护口罩
防PM2.5 防粉尘 防飞沫 防花粉
• 符合GB2626-2006标准（KN95）
• 通气顺畅无阻碍
• 立体设计，充分贴合面部
• 优良的密封性，确保防护
50
PIECE

● 使用方法/Usage method：

1. 打开包装 ,取出口罩并撑开
2. 将口罩尖角置于上方内侧对准面部
3. 覆盖口鼻 ,将耳带轻挂于耳朵
4. 调整口罩使其贴合脸部 ,保持密合

● 注意事项/Matters needing attention：

1. 开封后请尽快使用
2. 如发现过期包装破损或受到污染时请不要使用
3. 本品不可作为防毒面罩使用
4. 使用过的口罩 ,请不要再放入包装内
5. 本品为一次性口罩 ,可以重复使用
6. 睡眠中不宜佩戴
7. 出现头晕或不适请停止使用
8. 为了达到更好的防护效果请按照正确的使用方式佩戴
9. 欲了解更多，请关注微信

不建议清洗

● 产品信息/Product information：

【产品名称】KN95立体防护口罩
【材　　质】无纺布、熔喷布
【生产单位】苏州金瑞达防护用品有限公司
【生产地址】张家港市南丰开发区兴园路4号
【有 效 期】2年

【生产日期】2020年2月
【执行标准】GB2626-2006
【生产许可证号】(苏)XK02-001-00567
【备　　注】本产品仅限于个人日常使用

KN95

PM2.5 特有 微波技术

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