

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Dongguan Arun Industrial Co., Ltd.

Model Tested: N9

Date Tested: June 23, 2020

These findings pertain to the Dongguan Arun Industrial Co., Ltd., model N9. The packaging for this product indicates that it meets GB2626-2006 (the Chinese standard for Respiratory Protective Equipment – Non-Powered Air-Purifying Particle Respirator) and 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 98.54% and 96.15%, 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: Dongguan Arun Industrial Co., Ltd.

Item Tested: N9

Country of Certification: China (GB2626-2006, 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	6.7	1.08	2.02	97.98
2	85	6.6	0.94	1.46	98.54
3	85	6.7	1.19	2.80	97.20
4	85	6.3	1.40	2.78	97.22
5	85	6.5	1.23	3.56	96.44
6	85	5.9	1.95	3.85	96.15
7	85	6.7	1.76	3.12	96.88
8	85	6.1	1.47	3.14	96.86
9	85	7.1	1.21	3.56	96.44
10	85	5.3	1.84	3.27	96.73
Minimum Filter Efficiency: 96.15			Maximum Filter Efficiency: 98.54		

- 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.

ARUN[®]

海陆通 KN95 折叠式口罩
GB2626-2006 KN95 FACE MASK

KN95

PFE ≥ 95%
过滤效率

海陆通 东莞市海陆通实业有限公司
DONGGUAN ARUN INDUSTRIAL CO., LTD.

The advertisement features a woman on the right side wearing a white, pleated KN95 face mask. The background is a light grey gradient with a green wave-like shape at the bottom. A circular badge on the left contains the text 'PFE ≥ 95%' and '过滤效率'. A shield icon with a cross is positioned in the center-left area.

海陆通 KN95 折叠式口罩
GB2626-2006 KN95 FACE MASK

口罩按脸形设计, 360° 贴脸保护
采用静电超滤芯, 高效阻尘
3D立体透气空间, 呼吸舒适

使用范围:

适用于呼吸防护, 过滤空气中的粉尘、雾霾、细菌、飞沫等有害颗粒物。仅限一次性使用, 用后销毁。

警告

1. 使用口罩整体外观应无破损或污染, 耳带弹性良好, 鼻夹部分无破损或折断。
2. 当感觉呼吸困难、头晕或其它不适, 请立刻离开污染区域。
3. 当口罩呼吸阻力变大时, 立即更换新口罩。
4. 不得改装、清洗、滥用和错误使用本口罩。
5. 严重呼吸道疾病者、慢阻肺患者、心血管疾病患者及孕妇慎用本口罩。

储存要求

型号: N9

储存通风良好、避光及干燥环境中, 远离火源与污染。

储存温湿度: -30°C~40°C, 相对湿度不大于80%。

储存期限: 在规定条件下储藏, 有效期为1年 [生产日期] 见包装袋

执行标准: GB2626-2006 KN95

制造商: 东莞市海陆通实业有限公司
DONGGUAN ARUN INDUSTRIAL CO., LTD.

地址: 广东省东莞市黄江镇长龙村新风街18号

热线电话: 400-886-9011



合格证
已检验



中国制造
Made in China

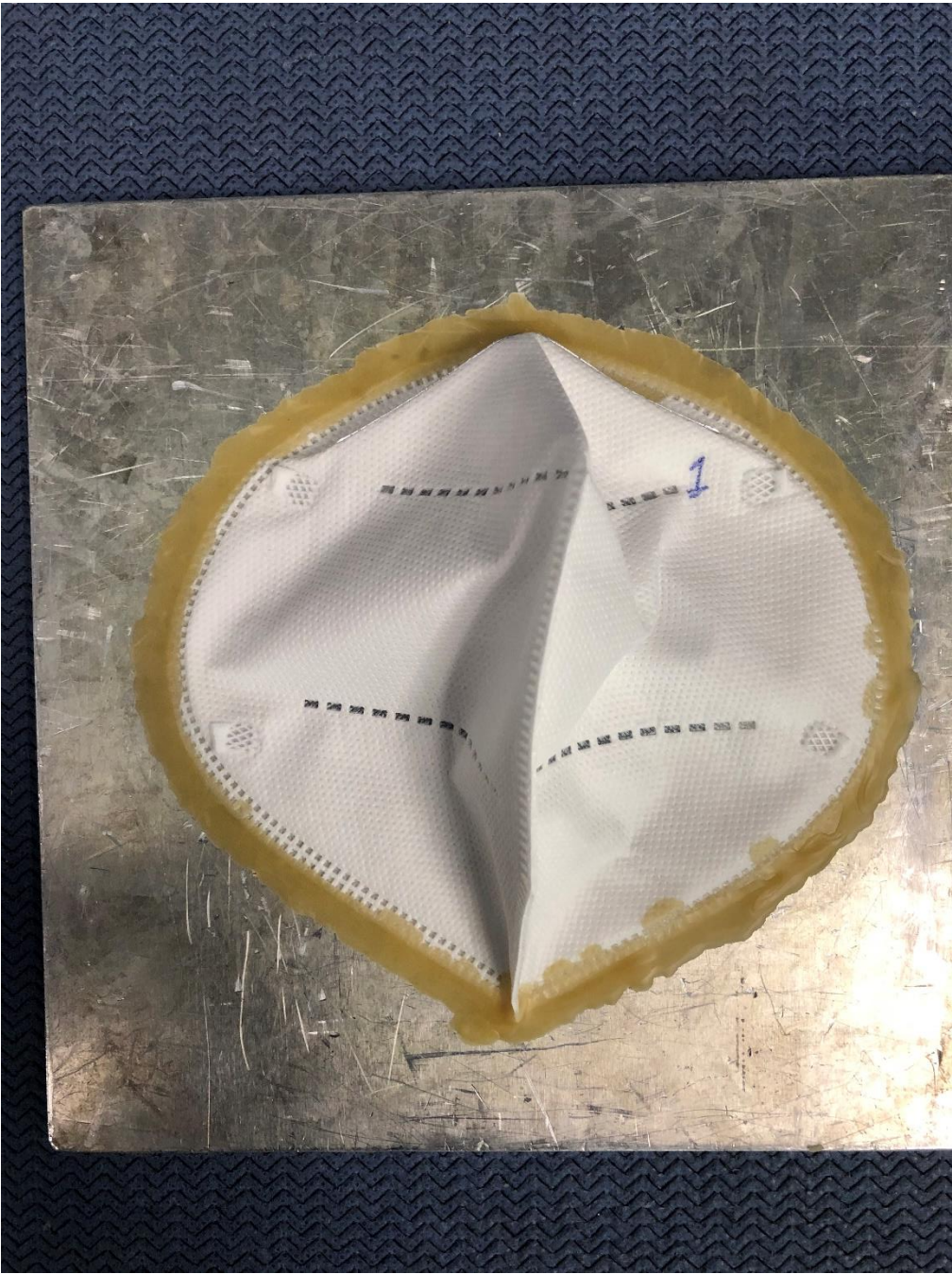
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