

## NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Shandong Daddy's Choice Health Science and Technology Co., Ltd.

Model Tested: Purism KN95 Protective Face Mask

Date Tested: May 7, 2021

These findings pertain to the Shandong Daddy's Choice Health Science and Technology Co., Ltd., model Purism KN95 Protective Face Mask. The packaging for this product indicates that it meets GB2626-2006 (the Chinese standard for Respiratory Protective Equipment – Non-Powered Air-Purifying Particle Respirator).

Thirty respirators were submitted for evaluation. The samples were tested using the 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 99.82% and 95.11%, respectively. All thirty respirators measured more than 95% filter efficiency.

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

**Test:** Modified TEB-APR-STP-0059

**Date Tested:** May 7, 2021

**Report Prepared:** May 7, 2021

**Manufacturer:** Shandong Daddy's Choice Health Science and Technology Co., Ltd.

**Item Tested:** Purism KN95 Protective Face Mask

**Country of Certification:** China (GB2626-2006)

Pictures have been added to the end of this report.

Filter	Flow Rate (LPM)	Initial Filter Resistance (mmH <sub>2</sub> O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency (%)
1	85	13.6	0.60	0.62	99.38
2	85	13.8	0.56	0.56	99.44
3	85	14.9	0.62	0.62	99.38
4	85	14.3	0.55	0.55	99.45
5	85	14.0	0.50	0.50	99.50
6	85	19.0	0.18	0.18	99.82
7	85	18.3	0.20	0.20	99.80
8	85	18.8	0.35	0.35	99.65
9	85	18.9	0.29	0.29	99.71
10	85	18.4	0.36	0.36	99.64
<b>Minimum Filter Efficiency: 99.38%</b>			<b>Maximum Filter Efficiency: 99.82%</b>		

- 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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Filter	Flow Rate (LPM)	Initial Filter Resistance (mmH <sub>2</sub> O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency (%)
11	85	15.6	1.50	1.51	98.49
12	85	16.1	0.68	0.68	99.32
13	85	15.7	0.85	0.85	99.15
14	85	15.6	0.53	0.54	99.46
15	85	15.1	2.57	2.57	97.43
16	85	12.3	1.79	1.80	98.20
17	85	13.4	1.79	1.87	98.13
18	85	14.2	3.13	3.16	96.84
19	85	13.2	3.03	3.06	96.94
20	85	18.6	2.56	2.58	97.42
<b>Minimum Filter Efficiency: 96.84%</b>			<b>Maximum Filter Efficiency: 99.63%</b>		

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Filter	Flow Rate (LPM)	Initial Filter Resistance (mmH <sub>2</sub> O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency (%)
21	85	15.8	0.63	0.63	99.37
22	85	15.9	0.58	0.58	99.42
23	85	15.7	0.55	0.55	99.45
24	85	16.5	0.46	0.46	99.54
25	85	15.1	0.48	0.48	99.52
26	85	16.4	1.07	1.07	98.93
27	85	16.4	0.51	0.51	99.49
28	85	16.1	0.83	0.83	99.17
29	85	16.1	0.73	0.73	99.27
30	85	16.7	4.89	4.89	95.11
<b>Minimum Filter Efficiency: 95.11%</b>			<b>Maximum Filter Efficiency: 99.54%</b>		

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## Notes

1. Wash your hands before wearing a mask or keep your hands away from the inner side of the mask while wearing it to reduce the possibility of contamination.
  2. Distinguish the inside and outside of the mask. Distinguish the top and bottom of the mask - the metal strip/sponge strip is on the top of the mask.
  3. Do not squeeze the mask with your hands. The mask can only isolate particles on the outside of the mask. Squeezing the mask with your hands can make the mask soggy with droplets, increasing the risk of infection.
  4. Make sure the mask fits well with the face. A simple test: after putting on a mask, exhale hard to check if the air doesn't leak through the edges.
- Storage:** It is recommended to store in a clean, dry, ventilated and non-corrosive gas environment, away from ignition sources or combustible materials.

**Manufacturer:** Shandong Daddy's Choice Health Science and Technology Co., Ltd.

**Address:** Tiandingfeng road Garden street Economic Development Zone Linyi County  
Dezhou City Shandong Province 251500 CN

**Production Licence:** Lu weixiao zhengzi (2017) no. 1308

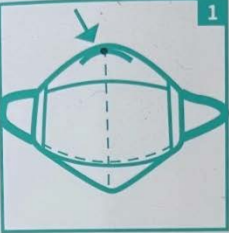
**Verification to Standard:** GB 2626-2006 KN95

**MADE IN CHINA**




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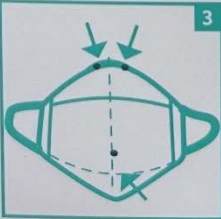
## Directions



**1** Put the face mask with the nose clip on the upper side and the white face on the inner side. The rubber bands at both ends should be hung on the ears.



**2** Gently press the nose clip to make it fit with the bridge of the nose, then press the nose clip to pull the lower end of the mask to the lower jaw.



**3** Arrange the wearing effect of the mask to cover the bridge of the nose to the lower jaw for the best protective effect.

## Products

### Purism KN95 Protective Face Mask

**Brand:** Purism  
**Product Name:** KN95 Protective Face Mask  
**Product Performance:** Great filtration efficiency.  
**Fiber Fabric Construction:** Spun-bonded non-woven fabric and Melt-blown non-woven fabric.  
**Application:** Schools, high-speed rail, airports, public transport and other relatively dense places and family environment.

**Production Date/Batch no :** Showing on the Packaging  
**Period of Validity:** Three Years  
**Telephone:** 400-996-5015  
**Website:** [www.daddychoice.com.cn](http://www.daddychoice.com.cn)  
**Email:** [sales@daddychoice.com](mailto:sales@daddychoice.com)

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产品合格证 Manufacturer's Certificate	
产品名称 Product Name	爸爸的选择 纯粹主义 KN95 立体防护口罩 DADDY'S CHOICE Purism KN95 Protective Face Mask
生产日期 Manufacture Date	20201008
检验日期 Test Date	20201008
产品规格 Dimensions	16.5cm x 10.5cm
有效期 Period of Validity	三年 Three Years
包装规格 Specifications	20只装/盒 20 pcs/ bx.
执行标准: Executive Standard	GB 2626-2006
产品批次号 Batch No.	20201008
成分含量 Ingredient content	无纺布 70%, 熔喷布 30% Non-woven 70%, melt-blown fabric 30%
储存环境 Storage environment	原始包装-20-38℃, 湿度不超过 80% 保存 The original packaging is stored at -20-38 °C and the humidity does not exceed 80%
制造商: 山东爸爸的选择健康科技有限公司 (Manufacturer: Shandong Daddy's Choice Health Science and Technology CO., Ltd) 地址: 山东省德州市临邑县经济开发区花园大街东首路南天鼎丰路中段路东 (Address: Tiandingfeng Road Garden street Economic Development Zoon Linyi County Dezhou City Shandong Province 251500 CN) 电话 (Telephone): 400-996-5015 网址 (Website): www.daddychoice.com.cn	

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