

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: June 18, 2020

These findings pertain to the Shandong Daddy's Choice Health Science and Technology Co., Ltd., Purism KN95 Protective Face Mask. The packaging for this product indicate 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 respirators were sampled into groups of ten 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 99.90% and 94.23%, respectively. Twenty-seven respirators measured more than 95%. Three respirators measured less 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 18, 2020

Report Prepared: June 18, 2020

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

Item Tested: Purism KN95 Protective Face Mask (Sample Group 1 of 3)

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	6.5	2.84	4.51	95.49
2	85	6.6	3.51	5.28	94.72
3	85	11.6	0.47	0.49	99.51
4	85	12.5	0.27	0.27	99.73
5	85	13.0	0.20	0.20	99.80
6	85	16.4	0.10	0.10	99.90
7	85	11.2	0.60	0.70	99.30
8	85	11.2	0.78	0.90	99.10
9	85	10.9	0.82	0.88	99.12
10	85	12.8	0.71	0.76	99.24
Minimum Filter Efficiency: 94.72			Maximum Filter Efficiency: 99.90		

- 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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Test: Modified TEB-APR-STP-0059

Date Tested: June 18, 2020

Report Prepared: June 18, 2020

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

Item Tested: Purism KN95 Protective Face Mask (Sample Group 2 of 3)

Country of Certification: China (GB2626-2006)

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
11	85	9.7	1.05	1.18	98.82
12	85	15.1	0.31	0.31	99.69
13	85	8.8	1.77	2.23	97.77
14	85	8.5	1.39	1.60	98.40
15	85	10.1	1.31	1.62	98.38
16	85	12.5	0.50	0.51	99.49
17	85	12.8	0.45	0.48	99.52
18	85	12.8	0.36	0.39	99.61
19	85	7.5	2.00	3.07	96.93
20	85	8.3	2.04	2.79	97.21
Minimum Filter Efficiency: 96.93			Maximum Filter Efficiency: 99.69		

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Test: Modified TEB-APR-STP-0059

Date Tested: June 18, 2020

Report Prepared: June 18, 2020

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

Item Tested: Purism KN95 Protective Face Mask (Sample Group 3 of 3)

Country of Certification: China (GB2626-2006)

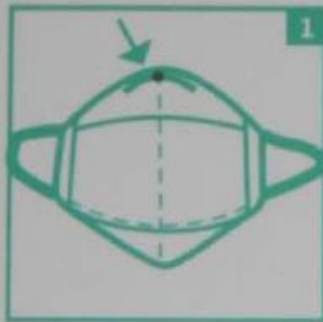
Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
21	85	8.1	1.79	2.73	97.27
22	85	11.3	0.16	0.55	99.45
23	85	7.8	0.15	0.45	99.55
24	85	9.1	0.10	0.50	99.50
25	85	7.1	2.40	2.95	97.05
26	85	8.8	2.75	3.51	96.49
27	85	12.1	1.28	1.45	98.55
28	85	6.5	3.72	5.77	94.23
29	85	9.7	4.04	5.65	94.35
30	85	7.3	2.02	3.32	96.68
Minimum Filter Efficiency: 94.23			Maximum Filter Efficiency: 99.55		

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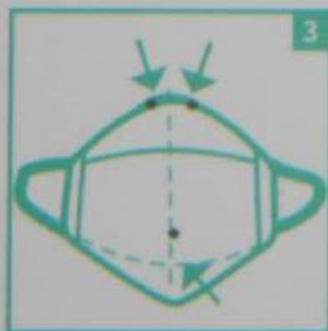
Directions



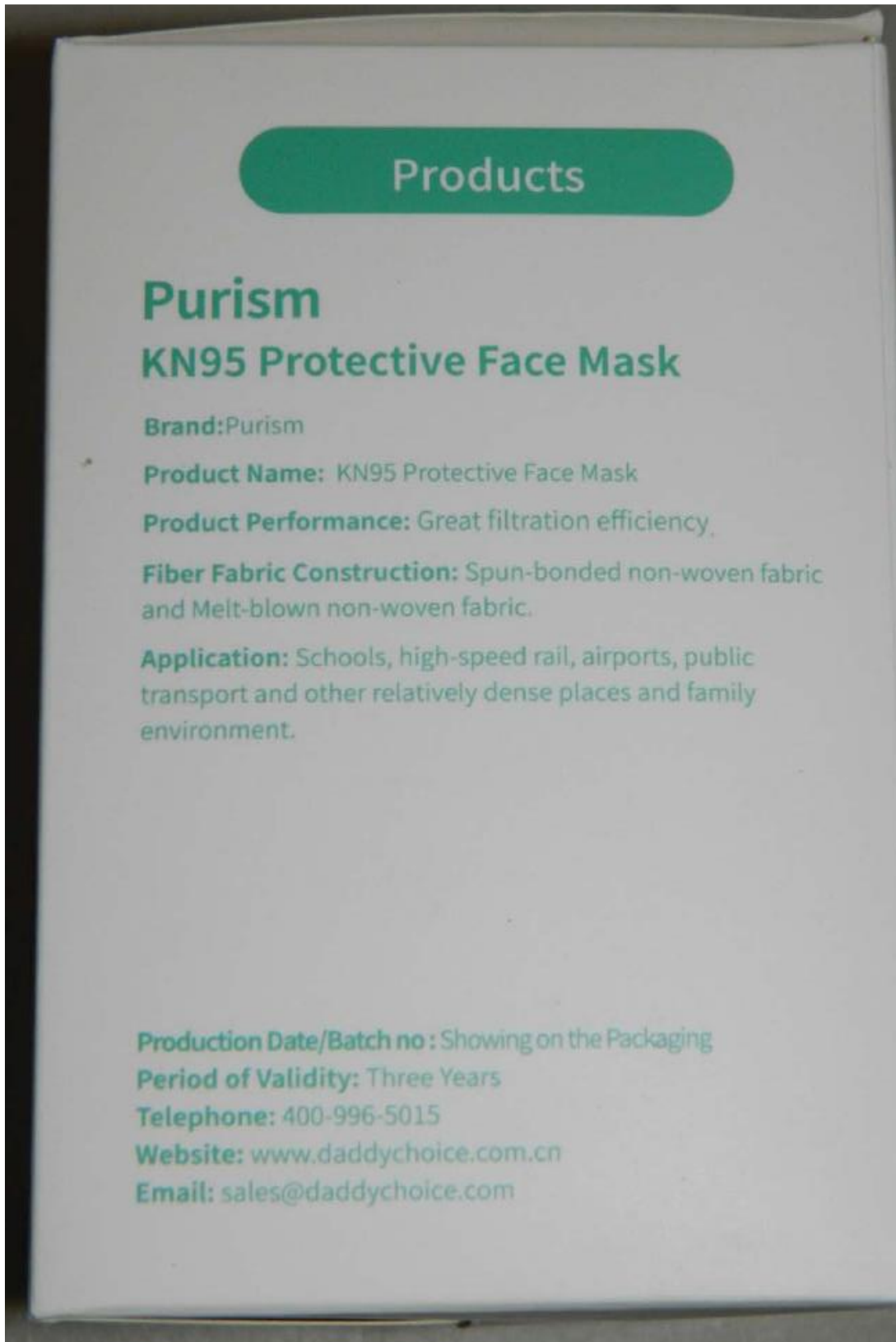
1. Put the face mask with the nose clip on the upper side and the white face on the inner side. The rubber bands at both ends should be hung on the ears.



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

Email: sales@daddychoice.com

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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.

Beijing Daddy's Choice Science and Technology Co., Ltd.

Brand: Purism

Address: Room 318, Floor 3, Building 9, No.2 of DingFuZhuangXiLi, Chaoyang District,
Beijing City, 100024 CN

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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产品合格证
Manufacturer's Certificate

爸爸的选择 纯粹主义 KN95立体防护口罩 (非医用)
DADDY'S CHOICE Purism KN95 Protective Face Mask (Non-medical)

产品名称 Product Name	爸爸的选择 纯粹主义 KN95立体防护口罩 (非医用) DADDY'S CHOICE Purism KN95 Protective Face Mask (Non-medical)		
生产日期 Manufacture Date	20200510	检验日期 Test Date	20200517
产品规格 Dimensions	16.5cm×10.5cm	有效期 Period of Validity	三年 Three Years
包装规格 Specifications	20只装/盒 20 pcs/ bx.	检验员 Inspector	01
执行标准 Executive Standard	GB 2626-2006	成分含量 Ingredient content	无纺布70%，熔喷布30% Non-woven70%, melt-blown fabric30%
产品批次号 Batch No.	20200510	储存环境 Storage environment	
		The original packaging is stored at 20-35 °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雨鑫泰丰路中段路东
(Address: Tiandingfeng Road Garden street Economic Development Zoon Linyi County Dezhou City Shandong Province 251500 CN)

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网址 (Website): www.daddychoice.com .cn



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