

NPPTL COVID-19 Response: International Respirator Assessment

Manufacturer: Ningbo Jia Shang Textile Co., Ltd.

Model Tested: SM100

Date Tested: May 7, 2021

These findings pertain to the Ningbo Jia Shang Textile Co., Ltd., model SM100. 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). The packaging and labeling also indicate that this product meets EN149:2001+A1:2009 (the European standard for Respiratory Protective Devices – Filtering Half Masks to Protect Against Particles – Requirements, Testing, Marking).

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 99.55% and 92.58%, respectively. Twenty-nine respirators measured more than 95% filter efficiency. One respirator measured less 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

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Item Tested: SM100

Country of Certification: China (GB2626-2006), European (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	16.2	1.16	1.16	98.84
2	85	9.9	0.95	0.95	99.05
3	85	12.9	3.40	3.40	96.60
4	85	14.2	2.51	2.51	97.49
5	85	15.4	1.83	1.83	98.17
6	85	12.4	4.31	4.31	95.69
7	85	10.9	4.73	4.73	95.27
8	85	17.7	1.07	1.07	98.93
9	85	17.6	1.94	1.94	98.06
10	85	8.8	4.49	4.49	95.51
Minimum Filter Efficiency: 95.27%			Maximum Filter Efficiency: 99.05%		

- 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 ₂ O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency (%)
11	85	15.6	1.25	1.25	98.75
12	85	11.1	3.65	3.65	96.35
13	85	13.4	3.67	3.67	96.33
14	85	17.4	1.00	1.00	99.00
15	85	16.4	1.74	1.74	98.26
16	85	14.7	3.66	3.66	96.34
17	85	15.3	3.45	3.45	96.55
18	85	10.1	2.67	2.67	97.33
19	85	13.1	0.45	0.45	99.55
20	85	17.2	3.93	3.93	96.07
Minimum Filter Efficiency: 96.07%			Maximum Filter Efficiency: 99.55%		

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21	85	9.7	2.19	2.19	97.81
22	85	9.1	7.42	7.42	92.58
23	85	18.3	1.15	1.15	98.85
24	85	10.7	3.89	3.89	96.11
25	85	21.6	0.59	0.59	99.41
26	85	13.8	3.31	3.31	96.69
27	85	14.5	1.20	1.20	98.80
28	85	17.3	0.99	0.99	99.01
29	85	10.0	4.04	4.04	95.96
30	85	14.9	0.70	0.70	99.30
Minimum Filter Efficiency: 92.58%			Maximum Filter Efficiency: 99.41%		

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COAST®

Model SM100
KN95
SAFETY MASK

Breathable
Comfortable
Protective

Meets Standards:
GB 2626-2006
EN 149:2001+A1:2009

FFP2 Not intended for
medical use



~~20~~ pcs

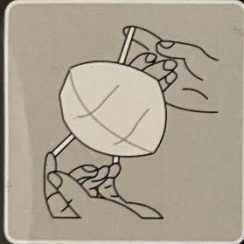
30 EA.

Folding design with elastic bands
Latex-free



COAST

KN95 Safety Mask Fitting



STEP 1 - OPEN

Carefully stretch unfolded mask. Ensure that the ear loops are not twisted or damaged, and that the nose piece is intact.



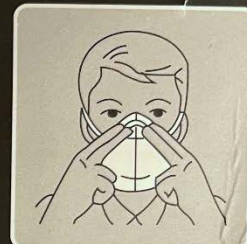
STEP 2 - PLACE

Place the lower edge of the mask under your chin and gently pull on the bands with both hands so that the nose piece fits across your face.



STEP 3 - SECURE

Secure the elastic bands behind your ears and adjust until comfortable. Avoid entangling bands with glasses, jewelry, etc.



STEP 4 - ADJUST

Using both hands, adjust the nose piece to the bridge of your nose until the mask fits securely. Check the fit of the mask.

CHECKING THE FIT

Without moving the mask on your face, place both hands over the mask and take a short, quick breath. Air should not enter freely from the edges of the mask. If it does, adjust the mask's position, including nose piece and/or bands and check again. A better fitting mask provides better filtration.

REMOVAL

Hold the mask in place with one cupped hand while carefully removing the elastic bands with your other hand.



See instructions before use

23°F
-5°C

122°F
+50°C



Keep dry
<80% RH

COAST

KN95
SAFETY MASK

Meets Standards:

GB 2626-2006

EN 149:2001+A1:2009

FFP2

Not intended for medical use. Latex-free.

Easily moldable nose piece

Around-the-ear design

Secure elastic bands

4-layer construction

Comfortable fit

COASTPORTLAND.COM

QUESTIONS?
877-704-4545

For patents see:
www.COASTportland.com/patents

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SM100 - KN95 SAFETY MASK - 20 PCS 30407



0 15286 30407 0

Made in China
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2009A
20-539v01J

COAST

KN95 Safety Mask Use

CAUTION:

Always check for fit / air leaks before using. Facial hair / jewelry may reduce the effectiveness of the mask. Not for use by children. Misuse may result in sickness or death.

Use For: Dust and certain other particles encountered during activities such as sanding, grinding, sawing, insulating, and gardening / yard work. May not eliminate all mold spores. Always use in a well-ventilated area.

Do Not Use For: Gases or vapors, or toxic and harmful substances such as lead (including lead paint removal) and asbestos (including asbestos-containing insulation). Mold removal in areas larger than 10 sq. ft. **This mask does NOT supply oxygen.**

Service Time Limitation: Do not use the same mask for more than 8 hours, continuously or intermittently, in dirty workplaces that could result in high filter loading. Leave contaminated area and remove mask if breathing becomes difficult or proper fit cannot be obtained, or if the mask is damaged, soiled, or distorted. Do not use the same mask again once removed.

No mask will completely eliminate exposure to particles or risk of disease.

Expiration Date:

Printed on individual masks.

Meets Standards:

GB 2626-2006

EN 149:2001+A1:2009

FFP2

Not intended for medical use. Latex-free.



Model SM100

COAST

COAST is a manufacturer of flashlights, headlamps, cutting tools and personal protection equipment to make lives safer and easier.

合格证 Certificate



产品名称: KN95随弃型防护口罩 (非医用) Product name: KN95 Disposable Protective Face Mask (Non Medical)
型号: JS A-16 (SM100) Model: JS A-16 (SM100)
规格: 105X153mm Size: About 105X153mm
材质: 无纺布50%, 过滤棉15.4%, 热风棉 24.4%, 铝条 10.2% Main material: Non-woven 50%, PTFE 15.4%, Hot air cotton 24.4%, AL strip 10.2%
数量: 20只 Quantity: 20pcs
标准: GB2626-2006 Standard: GB2626-2006
生产日期: 2020-10-23 Production Date: 2020-10-23
生产批号: 202010B Batch Number: 202010B
有效日期: 2年 Expiration Date: 2 years
检验员: 05 Inspector: 05

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