

PPE Masks

COVID-19 Response
June 11, 2020



PERSONAL PROTECTIVE EQUIPMENT

Prepared by:
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Since 1997, Pulsar Eco Products has worked with major brands to create and produce thousands of custom products.

We make civil disposable masks, medical disposable masks, and KN95 respirators. We are currently filling orders for Mayo Clinic, Akron Children's Hospital, United States Navy, Allstate Insurance, Maryland Dept. of Health and other entities who need immediate assistance.

In anticipation of the mask shortage, we worked with our manufacturing partners to increase capacity and shorten lead times. We have also worked with our freight forwarders to ensure available cargo space.

We know your needs are urgent. All products are shipped direct from the factory to each of your locations. Pricing includes air freight, handling, duty, everything. One price. Simple.



FACTORY SNAPSHOT

We
Produce
MILLIONS
of
MASKS
weekly



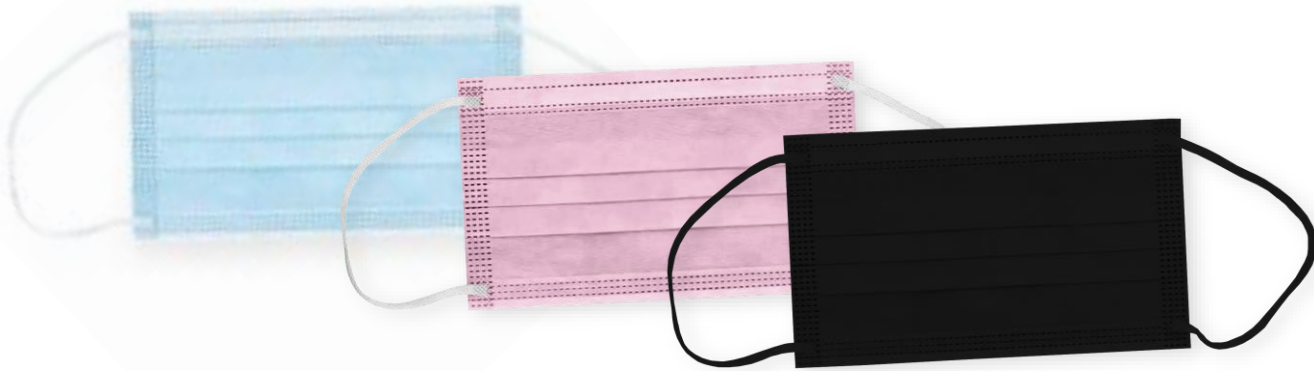


KN95 RESPIRATOR

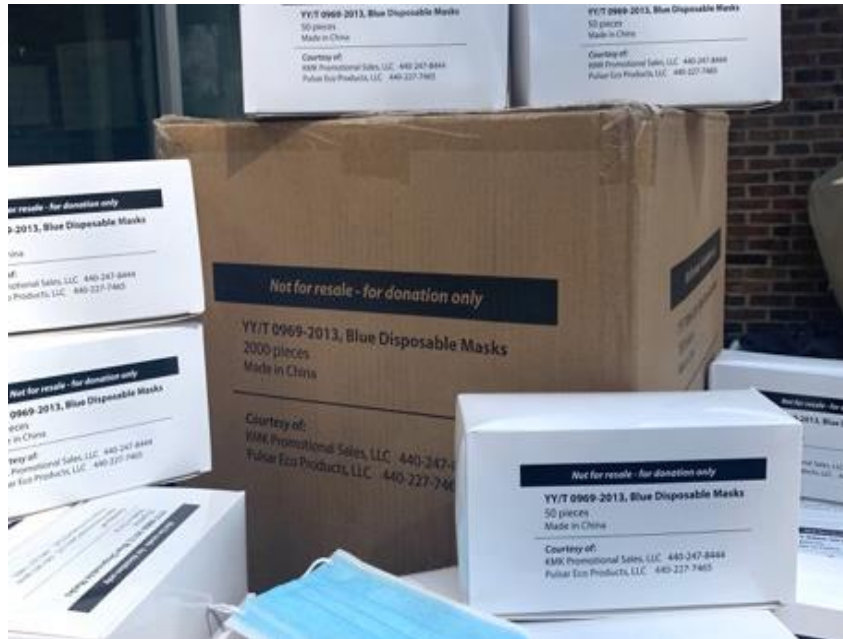
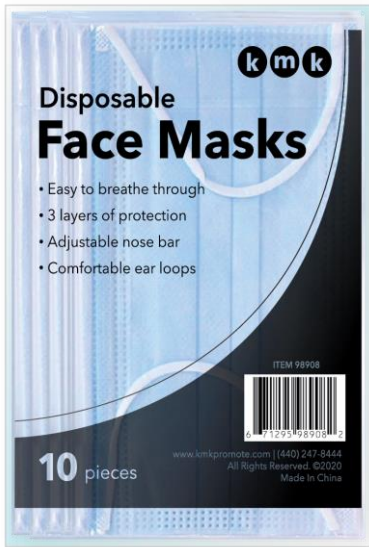
- **Inner:** 50 masks/inner box
- **Master:** 20 inners = 1,000 masks
- **Made in China**
- **Product/Model Number:** 98909
- **Size:** 20x16cm
- **Specifications:** 27gsm non-woven inner and outer; Comfort layer with two layers of BFE>95% filter cloth
- **Certifications:** CE, GB 2626-2006
- **Key Features:** 4 layers of filtration, 360°breathing space, 95% BFE, easy to wear



Non-Medical Disposable



- **Inner:** 50 masks/inner box
- **Master:** 40 inners = 2,000 masks
- **Made in China**
- **Product/Model Number:** 98910
- **Size:** 17.5x9.5cm
- **Specifications:** 25gsm non-woven inner and outer; Comfort layer with two layers of PFE>90% filter cloth
(Black Mask: 50gsm non-woven outer layer)
- **Certifications:** FDA, ISO 9001, GB/T 32610-2016
- **Key Features:** 3 layers of filtration, 360°breathing space, 90% PFE, easy to wear



Retail ready packaging available, ask for details



Medical Disposable

- **Inner:** 50 masks/inner box
- **Master:** 40 inners = 2,000 masks
- **Made in China**
- **Product/Model Number:** 98908
- **Size:** 17.5x9.5cm
- **Specifications:** 23gsm non-woven inner and outer; Comfort layer with two layers of BFE>98% filter cloth
- **Certifications:** FDA, CE, EN 14683
- **Key Features:** 4 layers of filtration, 360°breathing space, 98% BFE, easy to wear



PRICING

	PACKING		QUANTITIES				DAILY CAPACITY	SHIPPING TIME
	INNER	MASTER	20,000	100,000	250,000	1,000,000		
KN 95 Respirators	50	1,000	\$1.81	\$1.76	\$1.69	\$1.59	300,000	3 days
Medical Disposable Masks	50	2,000	\$0.63	\$0.59	\$0.56	\$0.47	250,000	7 days
Blue Civil Disposable Masks	50	2,000	\$0.53	\$0.46	\$0.41	\$0.35	400,000	3 days

Pricing includes air freight, handling, duty, everything. One price. Simple.



REFERENCES

Mayo Clinic

*3 million civil disposable masks.



U.S. Navy

*40,000 KN95's

*20,000 medical disposable masks



St. Vincent Charity Medical Center

*120,000 disposable masks



Akron Children's Hospital

700,000 medical disposable masks and 30,000 KN95s

St. John's Hospital

*100,000 disposable masks

Allstate Insurance

*300,000 disposable masks

Maryland Dept. of Health

*1,250,000 medical disposables

* 1,250,000 KN95s

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MEDIA MENTIONS





CERTIFICATIONS

Nelson Labs.
A Sotera Health company

Sponsor:
Cindy Jiang
Hubei Weikang Protective Products Co., Ltd.
Gongqing Chuangye Industrial Zone,
Yewang Rd,
Xiantao, Hubei, 433000
CHINA

Bacterial Filtration Efficiency (BFE) and Differential Pressure (Delta P) Final Report

Test Article: WK018-238/238
3-PLY FACE MASK WITH EARLOOP
Purchase Order: WK-TEST-20180012
Study Number: 1098109-501
Study Received Date: 17 Sep 2018
Testing Facility: Nelson Laboratories, LLC
6280 S. Redwood Rd.
Salt Lake City, UT 84123 U.S.A.
Test Procedures: Standard Test Protocol (STP) Number: STP0004 Rev 15
Control(s): None

Summary: The BFE test is performed to determine the filtration efficiency of test articles by comparing the bacterial control count upstream of the test article to the bacterial counts downstream. A suspension of *Staphylococcus aureus* was aerosolized using a nebulizer and delivered to the test article at a constant flow rate and fixed air pressure. The challenge delivery was maintained at 1.7 - 2.7 x 10⁷ colony forming units (CFU) with a mean particle size (MPG) of 3.0 ± 0.3 µm. The aerosols were drawn through a six-stage, viable particle, Andersen sampler for collection. This test method complies with ASTM F2101-14, EN 14683:2014, Annex B, and AS 4391:2015.

The Delta P test is performed to determine the breathability of test articles by measuring the differential air pressure on either side of the test article using a manometer, at a constant flow rate. The Delta P test was designed to comply with MIL-M-30954E, Section 4.4.1.2 and complies with EN 14683:2014, Annex C and AS4391:2015.

All test method acceptance criteria were met. Testing was performed in compliance with US FDA good manufacturing practice (GMP) regulations 21 CFR Parts 310, 311 and 320.

Test Side:	Inside
BFE Test Area:	~40 cm ²
BFE Flow Rate:	28.3 Liters per minute (L/min)
Delta P Flow Rate:	8 Liters per minute (L/min)
Conditioning Parameters:	85 ± 5% relative humidity (RH) and ± 5°C for a minimum of 4 hours
Test Article Dimensions:	~174 mm x ~157 mm
Positive Control Average:	2.5 x 10 ⁷ CFU
Negative Monitor Count:	<1 CFU
MPG:	3.2 µm

Janelle R. Bantz
Study Director
Janelle R. Bantz, M.S.
216 Sep 2018
Study Completion Date

ANAB
RAC-MS

800-276-7588 | nelsonlabs.com | info@nelsonlabs.com
1098109-501
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FDA

The 3rd Party Certificate of
FDA Medical Device Registration

Note:
This file is Not being issued by FDA. GTS, a 3rd party, produce it, intended to facilitate customer display & transmit the following contents, FDA registered Facility/Owner/Operator&FDA listing information, are exempted from database at www.fda.gov.

Establishment:
Cre8 Direct(Anhui) Co.,Ltd
16 center AV, Economic Development District, Chu Zhou City,Anhui Province, China
239200
Registration Number / FEI Number*:
* Firm Establishment Identifier (FEI) should be used for identification of entities within the imports message set
Status: Active
Date of Registration Status: **2020**

Owner/Operator
Cre8 Direct(Anhui) Co.,Ltd
16 center AV, Economic Development District, Chu Zhou City,Anhui Province, China
239200
Owner/Operator Number: **10063360**

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239200
Tel: +86- 550-5638256 E-mail: wxy@cre8direct.net

U.S. Agent
Contact Name: Grace Liu
Address: 839 FM 1489 Road, Brookshire, Texas 77423 U.S.A
Phone: (281) 600-8227 E-mail: grace.liu@tlqa.com

Devices Listing Information

Proprietary Name	Product Codes	Device Class	Listing Number	Establishment Operations
Disposable medical mask	LYU	1	D37****	Manufacturer
Mask	LYU	1	D37****	Manufacturer
Disposable mask	LYU	1	D37****	Manufacturer

Please careful protect your Listing Number.

Professional FDA Registration Services, by Shanghai Global Testing Services Co., Ltd.
More details on the website: <http://www.gts-lab.com>
Need help? Contact us, GTS, at +86(021) 33637866 & info@gts-lab.com
FDA CERTIFICATE NUM: **GTS22248**

