



PPE SAFETY SOLUTIONS

# PRODUCT CATALOGUE

2020



For more information go to [www.BNX.com](http://www.BNX.com)



PERSONAL PROTECTIVE EQUIPMENT (PPE)

# Respirator Masks



For more information go to [www.BNX.com](http://www.BNX.com)

## ABOUT US

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BNX Converting, LLC is based in Houston, Texas, and produces all masks and PPE locally in the United States with American workers. Our facility is CDC and FDA Registered and we are in the process of obtaining our NIOSH N95 certifications as well as FDA surgical rating. We have successfully achieved our CE EN149 certification through notified body BSI.

BNX offers health and safety protection products that you and your workers need most. We deliver specialized Made in USA equipment that gets the job done right so that we can all get back home safely at the end of each day.

Our products are made right here in Houston, Texas, and we are committed to supporting the public response as well as the state government and national response to the COVID-19 outbreak. We continue to hire American workers and develop US based manufacturing facilities to ramp up production of essential safety protection products.



### Originality

Through special materials, unique manufacturing methods.



### Processes

Defined by our technical expertise, experience and an unrelenting drive to succeed.



### Premium Quality

We contribute to society by supplying safe, reliable and high-quality products.

## QUALITY STATEMENT

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**BNX is committed to delivering innovative products and quality solutions which match our customer's expectations. Through continued development of our quality management system, we strive to consistently improve our processes and ensure the safety and effectiveness of our products.**

**We are committed to:**

- 1. Complying with all local and national regulations.**
- 2. Continuously improving and developing our quality management.**
- 3. Finding new ways to innovate and exceed our customer's expectations.**



A96

# HORIZONTAL FOLDING DUCKBILL RESPIRATOR

95% PFE Filtration / 99% BFE Filtration



## 6 Layers of Protection

- Layer-1** 50gsm Spunbond Polypropylene.
- Layer-2** 25gsm BFE99 Meltblown Polypropylene
- Layer-3** 25gsm BFE99 Meltblown Polypropylene
- Layer-4** 15gsm Spunbond Polypropylene
- Layer-5** 25gsm Hydrophilic Spunbond Polypropylene
- Layer-6** 25gsm Hydrophilic Spunbond Polypropylene

Total: 165gsm



HORIZONTAL  
FOLDING DESIGN



BLOCKS 95% OF  
AIRBORNE PARTICLES



HEADBAND  
ATTACHMENT



ADJUSTABLE METAL  
NOSEPIECE

**A97**

# CUP STYLE RESPIRATOR

95% PFE Filtration / 99% BFE Filtration



### 5 Layers of Protection

- Layer-1** 50gsm Nonwoven SPP Fabric
  - Layer-2** 25gsm N95 Grade BFE99 Meltblown Nonwovens
  - Layer-3** 25gsm N95 Grade BFE99 Meltblown Nonwovens
  - Layer-4** 60gsm PP Needle-Punched Nonwoven
  - Layer-5** 180gsm PP Needle-Punched Nonwoven
- Total: 340gsm**



CUP STYLE DESIGN



BLOCKS 95% OF AIRBORNE PARTICLES



HEADBAND ATTACHMENT



ADJUSTABLE METAL NOSEPIECE

**A95H**

# VERTICAL FOLDING RESPIRATOR (HEADBAND)

95% PFE Filtration / 99% BFE Filtration



## 6 Layers of Protection

- Layer-1** 60gsm Spunbond PP Nonwoven
- Layer-2** 25gsm N95 Grade BFE99 Meltblown Nonwovens
- Layer-3** 25gsm N95 Grade BFE99 Meltblown Nonwovens
- Layer-4** 25gsm Hot Air Cotton
- Layer-5** 25gsm Hot Air Cotton
- Layer-6** 50gsm Spunbond PP Nonwoven

Total: 210gsm



VERTICAL  
FOLDING DESIGN



BLOCKS 95% OF  
AIRBORNE PARTICLES



HEADBAND  
ATTACHMENT

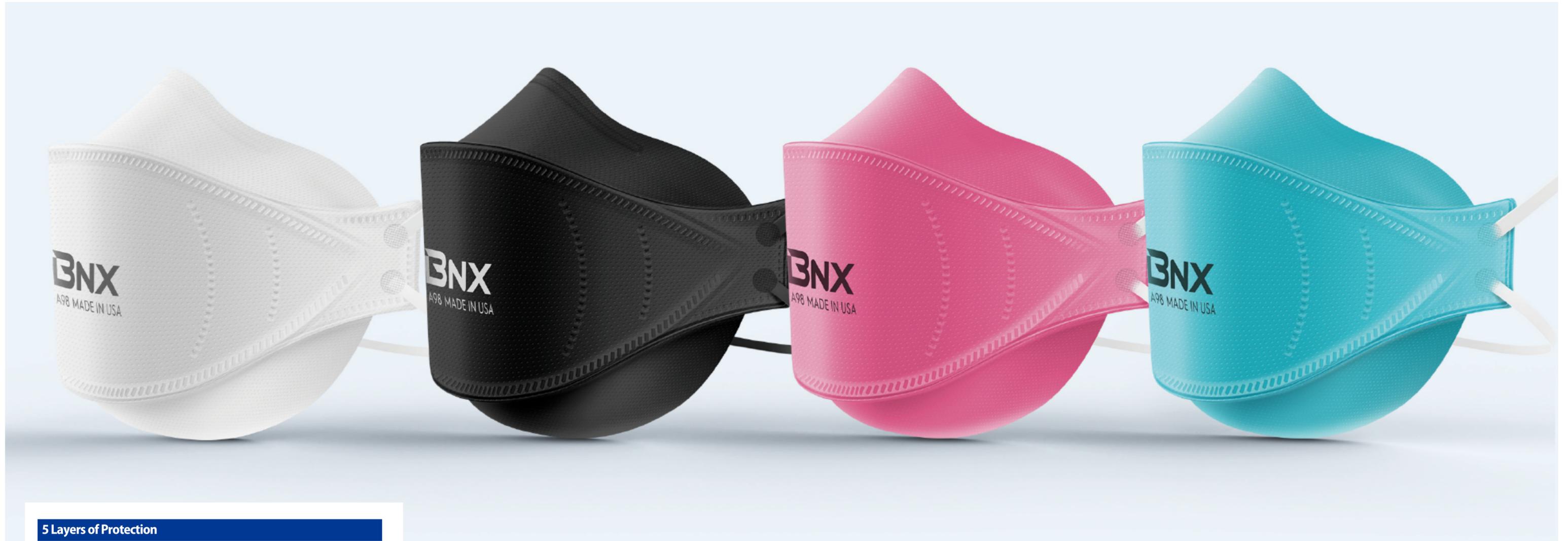


ADJUSTABLE METAL  
NOSEPIECE

**A98**

# FOLDING CUP STYLE RESPIRATOR

95% PFE Filtration / 99% BFE Filtration



### 5 Layers of Protection

- Layer-1** 60gsm Spunbond PP Nonwoven
  - Layer-2** 55gsm Stiffer (Hardshell) PP Nonwoven
  - Layer-3** 25gsm N95 Grade BFE99 Meltblown Nonwovens
  - Layer-4** 25gsm N95 Grade BFE99 Meltblown Nonwovens
  - Layer-5** 40gsm Spunbond PP Nonwoven
- Total: 205gsm**



FISH STYLE DESIGN



BLOCKS 95% OF AIRBORNE PARTICLES



HEADBAND ATTACHMENT



ADJUSTABLE METAL NOSEPIECE

**A95E**

# VERTICAL FOLDING RESPIRATOR (EARLOOP)

95% PFE Filtration / 99% BFE Filtration



## 6 Layers of Protection

- Layer-1** 60gsm Spunbond PP Nonwoven
- Layer-2** 25gsm N95 Grade BFE99 Meltblown Nonwovens
- Layer-3** 25gsm N95 Grade BFE99 Meltblown Nonwovens
- Layer-4** 25gsm Hot Air Cotton
- Layer-5** 25gsm Hot Air Cotton
- Layer-6** 50gsm Spunbond PP Nonwoven

**Total: 210gsm**



VERTICAL  
FOLDING DESIGN



BLOCKS 95% OF  
AIRBORNE PARTICLES



EARLOOP  
ATTACHMENT



ADJUSTABLE METAL  
NOSEPIECE

**A96-2**

# HORIZONTAL FOLDING DUCKBILL RESPIRATOR

95% PFE Filtration / 99% BFE Filtration



**CE 2797**

**FFP2 NR**  
TECHNICAL SPECIFICATION  
2020/403

## 6 Layers of Protection

- Layer-1** 50gsm Spunbond Polypropylene.
- Layer-2** 25gsm BFE99 Meltblown Polypropylene
- Layer-3** 25gsm BFE99 Meltblown Polypropylene
- Layer-4** 15gsm Spunbond Polypropylene
- Layer-5** 25gsm Hydrophilic Spunbond Polypropylene
- Layer-6** 25gsm Hydrophilic Spunbond Polypropylene

Total: 165gsm



HORIZONTAL  
FOLDING DESIGN



BLOCKS 95% OF  
AIRBORNE PARTICLES



HEADBAND  
ATTACHMENT



ADJUSTABLE METAL  
NOSEPIECE

# CERTIFICATIONS



# FILTRATION REPORT

**Nelson Labs.**  
A Sotera Health company

Sponsor:  
Adam Ravat  
BNX Converting, LLC  
16727 Park Row,  
Houston, TX 77084

**Sodium Chloride (NaCl) Aerosol Test Final Report**

Test Article: A06  
Study Number: 1332300-S01  
Study Received Date: 18 Aug 2020  
Testing Facility: Nelson Laboratories, LLC  
6280 S. Redwood Rd.  
Salt Lake City, UT 84123 U.S.A.  
Test Procedure(s): Standard Test Protocol (STP) Number: STP0014 Rev 09  
Deviation(s): None

**Summary:** This procedure was performed to evaluate particulate filter penetration as specified in 42 CFR Part 84 and TEB-APR-STP-0059 for requirements on a N95 respirator. Respirators were conditioned then tested for particle penetration against a polydispersed, sodium chloride (NaCl) particulate aerosol. The challenge aerosol was dried, neutralized, and passed through the test article at a concentration not exceeding 200 mg/m<sup>3</sup>. The initial airflow resistance and particle penetration for each respirator was determined.

According to 42 CFR Part 84.64, pretesting must be performed by all applicants as part of the application process with NIOSH. Results seen below are part of that pretesting and must be submitted to and accepted by NIOSH for respirator approval.

All test method acceptance criteria were met. Testing was performed in compliance with US FDA good manufacturing practice (GMP) regulations 21 CFR Parts 210, 211 and 820.



Trang Truong electronically approved for  
Study Director  
Curtis Gerow

24 Sep 2020 17:04 (+00:00)  
Study Completion Date and Time

**Nelson Labs.**  
A Sotera Health company

Study Number 1332300-S01  
Sodium Chloride (NaCl) Aerosol Test Final Report

**Results:** The NIOSH N95 filter efficiency as stated in 42 CFR Part 84.181 is a minimum efficiency for each filter of ≥95% (≤5% penetration). The test articles submitted by the sponsor conform to the NIOSH N95 criteria for filter efficiency.

Test Article Number	Corrected <sup>a</sup> Airflow Resistance (mm H <sub>2</sub> O)	Particle Penetration (%)	Filtration Efficiency (%)
1	17.1	0.779	99.221
2	18.1	1.52	98.48
3	17.3	3.16	96.84
4	17.2	0.629	99.371
5	17.3	1.76	98.24
6	17.4	2.04	97.96
7	17.2	3.61	96.39
8	17.3	1.73	98.27
9	17.6	1.69	98.31
10	17.9	0.418	99.582
11	17.7	0.584	99.416
12	19.1	0.490	99.510
13	18.3	0.528	99.472
14	17.5	0.799	99.201
15	17.5	0.383	99.617
16	18.4	0.581	99.419
17	17.8	0.380	99.620
18	18.1	0.298	99.702
19	18.6	0.478	99.522
20	17.5	0.898	99.102

<sup>a</sup> The final airflow resistance value for each test article was determined by subtracting out the background resistance from the system.



Trang Truong electronically approved for  
Study Director  
Curtis Gerow

24 Sep 2020 17:04 (+00:00)  
Study Completion Date and Time

# INHALATION EXHALATION REPORT

**Nelson Labs.**  
A Sotera Health company

Sponsor:  
Adam Ravat  
BNX Converting, LLC  
16727 Park Row,  
Houston, TX 77084

**Determination of Inhalation and Exhalation Resistance for Air-Purifying Respirators Final Report**

Test Article: A96  
Study Number: 1331743-S01  
Study Received Date: 15 Aug 2020  
Testing Facility: Nelson Laboratories, LLC  
6280 S. Redwood Rd.  
Salt Lake City, UT 84123 U.S.A.  
Test Procedure(s): Standard Test Protocol (STP) Number: STP0145 Rev 05  
Deviation(s): None

**Summary:** This procedure was performed to evaluate the differential pressure of non-powered air-purifying particulate respirators in accordance with 42 CFR Part 84.180. The air exchange differential or breathability of respirators was measured for inhalation resistance using NIOSH procedure TEB-APR-STP-0007 and exhalation resistance with NIOSH procedure TEB-APR-STP-0003. The differential pressure technique is a simple application of a basic physical principle employing a water manometer differential upstream and downstream of the test material, at a constant flow rate.

According to 42 CFR Part 84.64, pretesting must be performed by all applicants as part of the application process with NIOSH. Results seen below are part of that pretesting and must be submitted to and accepted by NIOSH for respirator approval.

The inhalation resistance criteria as stated in 42 CFR Part 84.180 is an initial inhalation not exceeding 35 mm water column height pressure. The test articles submitted by the sponsor conform to this NIOSH criterion for airflow resistance.

The exhalation resistance criteria as stated in 42 CFR Part 84.180 is an initial exhalation not exceeding 25 mm water column height pressure. The test articles submitted by the sponsor conform to this NIOSH criterion for airflow resistance.

All test method acceptance criteria were met. Testing was performed in compliance with US FDA good manufacturing practice (GMP) regulations 21 CFR Parts 210, 211 and 820.

**Results:**

Test Article Number	Inhalation Resistance (mm H <sub>2</sub> O)	Exhalation Resistance (mm H <sub>2</sub> O)
1	12.4	13.7
2	13.8	13.0
3	13.7	13.6



Robert Dieker electronically approved for  
Study Director  
Curtis Gerow

04 Sep 2020 18:12 (+00:00)  
Study Completion Date and Time

# CERTIFICATIONS



FDA | CNTAC

## CE 735430

**bsi.** 

### EU Type Examination Certificate

This is to certify that: **BNX Converting LLC**  
16727 Park Row  
Houston  
Texas  
77084-5020  
USA

Holds Certificate Number: **CE 735430**

In respect of:  
**Model Duckbill Mask - A96 Particulate Respirator.**  
To technical specification Annex II (EHSR) of the PPE Regulation (EU) 2016/425.  
PPE for use by healthcare professionals as per Commission recommendation 2020/403.

on the basis that BSI carried out the relevant Type Examination procedures under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex V (Module B) and meets the relevant health and safety requirements specified in Annex II

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):   
Dr. Dave Hagenlaars, Managing Director

First Issued: 2020-10-29      Effective Date: 2020-10-29  
Latest Issue: 2020-10-29      Expiry Date: 2021-10-29

 **...making excellence a habit.™**

This certificate has been issued by and remains the property of BSI Group The Netherlands B.V., John H. Keynesplein 5, 1066 EP Amsterdam, The Netherlands and should be returned immediately upon request. To check its validity telephone +31 20 3460780. An electronic certificate can be authenticated [online](#).  
BSI Group The Netherlands B.V., registered in the Netherlands under number 33264284, at John H. Keynesplein 5, 1066 EP Amsterdam, The Netherlands. A member of BSI Group of Companies.

## CE 735431

**bsi.** 

### Conformity to Type based on Internal Production Control plus supervised product checks at random intervals

This is to certify that: **BNX Converting LLC**  
16727 Park Row  
Houston  
Texas  
77084-5020  
USA

Holds Certificate Number: **CE 735431**

In respect of:  
**For the manufacture of particulate respirators to technical specification to satisfy Annex II of the PPE Regulation (EU) 2016/425.**

on the basis that BSI carried out the supervised production checks at random intervals under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex VII (Module C2)

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):   
Dr. Dave Hagenlaars, Managing Director

First Issued: 2020-10-29      Effective Date: 2020-10-29  
Latest Issue: 2020-10-29      Expiry Date: 2021-10-29

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## BSI TESTING REPORT

**bsi.** 3281042 - Test Report.

### Introduction.

This report has been prepared by Paul Waller and relates to the activity detailed below:

Job/Registration Details	Client Details
<b>Job number:</b> 3281042 <b>Job type:</b> Testing Samples Submitted <b>Start Date:</b> 26/08/2020 <b>Test type:</b> Type <b>Sample ID:</b> 10192844 <b>Registration:</b> CE 735430 <b>Scheme:</b> Positive pressure RPE <b>Protocol:</b> PP123 <b>Scheme Manager:</b> Nathan Shipley	BNX Converting LLC 16727 Park Row Houston Texas 77084-5020 USA

The report has been approved for issue by T Wicksey - Senior Test Engineer

Approved For Issue:	Issue Date:
	13 October 2020

### Objectives.

This is an independent test evaluation to only certain clauses or sub-clauses of the agreed specification in accordance with the following test programme:  
BSI COVID-19 filtering face piece technical specification, for COVID-19 masks for use by healthcare workers

### Product Scope.

COVID-19 masks for use by healthcare workers

### Report Summary.

The samples were received on 19 August 2020 and the testing was started on 26 August 2020.  
The samples submitted complied with the requirements of the test work conducted.

# CERTIFICATIONS



# FDA ESTABLISHMENT REGISTRATION

**DEVICE REGISTRATION AND LISTING INFORMATION**

Please review your registration. Registration Date: Oct 16, 2020  
Registration Status: Active, Waiting for Registration Number Assignment

Section 01 Type of Registration

Activities	MANUFACTURER COMPLAINT FILE ESTABLISHMENT
Registration Number	Not Yet Assigned

Section 02 Facility Name / Address Information

Name	BNX CONVERTING, LLC
Address	BUILDING 1 16727 PARK ROW HOUSTON, TEXAS 77084 UNITED STATES

Section 03 Owner/Operator Information

Owner/Operator Number	10078281
Contact Name	ILENIA TAMAYO
Company	BNX CONVERTING, LLC
Address	16727 PARK ROW BUILDING 1 HOUSTON, TEXAS 77084 UNITED STATES
Phone Number	(713) 936-2726
Fax Number	
Email Address	Compliance@bnx.com

Section 04 Official Correspondent Information

OC Contact Name	ILENIA TAMAYO
OC Business Name	BNX CONVERTING, LLC
Address	16727 PARK ROW BUILDING 1 HOUSTON, TEXAS 77084 UNITED STATES
Phone Number	(713) 936-2726
Fax Number	
Email Address	Compliance@bnx.com

Section 05 Trade Names

Section 06 Listings

Listing #1	
Listing Number	D422096
Listing Status	ACTIVE
Created Date	Oct 16, 2020 12:18:03 PM ET
Submission Number	
Proprietary Names	A96 Protective Mask

Section 07 PIN/PCN Details

PIN	50304562
PCN	21459164

# CNTAC KN95 TEST REPORT

佛山中纺联检验技术服务有限公司  
 CNTAC Testing Service Co.,Ltd.(Foshan)

<b>Testing Report</b>	Security website: www.fcl-sz.org.cn Security code: 6245716545
Report No: ZFLJ2642376A	Page 1 of 8

**Applicant Information**

Applicant Name : BNX CONVERTING,LLC.  
 Applicant Address : 16727 Park Row Houston TX 77084 USA  
 Manufacturer : BNX CONVERTING,LLC.

**Sample Information**

Sample Description : A96 Duckbill mask  
 Style No : A96  
 Brand : BNX Converting LLC  
 Sample Quantity : 65 pieces  
 Size specification : 240mmX95mm  
 Material Components : 6 layers 1. 50gsm spunbond pp 2. 25gsm meltblown 3. 25gsm meltblown 4.15gsm spunbond pp 5. 25gsm skin friendly (hydrophilic) nonwoven 6. 25gsm skin friendly (hydrophilic) nonwoven

- Sample Receiving Date : 2020-08-14  
 - Report Date : 2020-08-26  
 - The original sample is stuck on the last paper.

**Test Performed**

Judgement according to:  
 GB 2626-2019 Respiratory protection— Non-powered air-purifying particle respirator  
 - Selected test(s) as requested by applicants. For details, refer to attached page(s).

**Pronounce**

The results shown in this report refer only to sample(s) tested unless otherwise stated.  
 All the items are performed in the standard conditions, except the noted cases.  
 Except for the requirement of the client, the test results and the conformity judgement of this report do not take the uncertainty of the test results into account.

Signed for and on behalf of  
**CNTAC Testing Service Co.,Ltd.(Foshan)**  
 Approved by

广东省佛山市南海区西樵镇南方技术创新中心一、三、四楼1,3&4F, Nanfang Technology Innovation Center, Xiqiao, Nanhai District, Foshan City, Guangdong, China  
 Tel: (86 757)86850633/868906656 Fax: 86850633 Http://www.fcl.org.cn  
 若对检测结果有异议, 应于收到报告之日起 15 日内向检测单位提出, 逾期不予受理。



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16727 Park Row Houston, TX 77084-5020  
Phone: +1 713 936 2726 / +1 315 790 0466  
Email: sales@bnx.com



For more information go to  
[www.BNX.com](http://www.BNX.com)