

STRAX AMERICAS, INC

TEST REPORT

SCOPE OF WORK

Performance Testing of Face Masks to
ASTM F3502 – 21 Standard Specification for
Barrier Face Coverings

REPORT NUMBER

104786245CRT-001

ISSUE DATE

August 25, 2021

PAGES

10

DOCUMENT CONTROL NUMBER

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TEST REPORT

Issued August 25, 2021

Intertek Report No. 104786245CRT-001

Intertek Project No. G104786245

CLIENT

STRAX AMERICAS, INC
1867 NW 97 Ave., Ste 103
Doral, FL 33172
USA

TEST STANDARD

ASTM F3502 – 21 Standard Specification for Barrier Face Coverings

AUTHORIZATION

Quote No.: Qu-01188371-1

SAMPLE IDENTIFIED BY THE CLIENT AS

Product Type: Barrier Face Covering
Brand Name: STRAX AMERICAS, INC.
Model: Airpop Kids
Airpop 360 Pro Face Mask

SAMPLE INFORMATION

Date(s) Samples Received: August 16, 2021
Condition of Samples: Production Run
Date(s) of Testing: August 20, 2021 Through August 23, 2021

TEST INFORMATION

STATUS

TESTING LOCATION

Section 8.1: Sub-micron Particulate Filtration	Test data attached	Intertek-Cortland, NY
Section 8.2: Air Flow Resistance	Test data attached	Intertek-Cortland, NY
Section ASTM F3407 Fit Testing	Not tested under this project	Intertek-Cortland, NY
16 CFR 1610 Flammability	Test data attached	Intertek-Cortland, NY

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SECTION 1


CONCLUSION


This test report represents the testing covered by quote Qu-01188371-1.

The observations and test results in this report are relevant only to the sample tested. Intertek makes no representations or warranties, express or implied, regarding units that were not tested including, but not limited to, units that may be part of the same lot.

If there are any questions regarding the results contained in this report, or any other services offered by Intertek, please do not hesitate to contact the undersigned.

Please note this Test Report does not represent authorization for the use of any Intertek certification marks.

Project Owner: Robert Neff
Title: Technician
Signature: 
Date: August 25, 2021

Project Reviewer: Jason Allen
Title: Technical Advisor
Signature: 
Date: August 25, 2021

REPORT REVISIONS

Date / Project #	Project Handler/ Reviewer	Description of Change
		None

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TEST REPORT

SECTION 2

REPORT OF TESTING AND OTHER INFORMATION REQUIRED BY ASTM F3502-21, SPECIFICATION ON BARRIER FACE COVERINGS											
Manufacturer Name						STRAX AMERICAS, INC					
Product Name or Model number						Airpop Kids					
Laboratory Name/Address						Intertek Testing Services NA, Inc./Cortland, NY 13045					
Flow Rate Tested at to Achieve 10 ±0.5 cm/s (LPM)						39.2					
Laboratory Accreditation Credentials						Lab Accreditation					
Sub-micron Particulate Filtration Efficiency (Section 8.1)								Test Date:		23-Aug-21	
Test Values(%) by Specimen											
Condition	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9	Sample 10	Report Value
Pristine*	98.2	97.3	91.8	98.3	98.0	98.3	92.2	98.0	97.8	96.5	91
After Wash**	98.0	98.0	98.1	98.8	98.4	97.9	97.7	98.1	96.9	96.8	
Air Flow Resistance (Section 8.2)								Test Date:		23-Aug-21	
Test Values (mm H2O) by Specimen											
Condition	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9	Sample 10	Report Value
Pristine*	4.3	5.0	5.6	4.8	4.3	4.9	3.1	4.4	4.7	4.4	6
After Wash**	4.3	4.7	5.6	5.3	4.6	4.5	5.5	5.6	5.9	5.8	
* Description of Condition if Other than Pristine (identify where performed)						Intertek Cortland, NY- Pre Conditioning according to section 8.1.1.5 of the ASTM 3502 Standard.					
** Description of Laundering or Cleaning Conditions Applied (identify where performed)						Intertek Cortland, NY- Clean with a 70% alcohol wipe only (as per in pack instructions) 10x					
Description of Approach Applied as Part of Product Design Analysis (provide supporting documentation, as needed)						Evaluated By Client					
Results of quantitative leakage assessment with leakage ration (if applicable Document full findings in separate report)						N/A					
Overall Performance Classification				Sub-micron Particulate Filtration Efficiency		Level 2		Air Flow Resistance		Level 1	

TEST REPORT

REPORT OF TESTING AND OTHER INFORMATION REQUIRED BY ASTM F3502-21, SPECIFICATION ON BARRIER FACE COVERINGS												
Manufacturer Name						STRAX AMERICAS, INC						
Product Name or Model number						Airpop 360 Pro Face Mask						
Laboratory Name/Address						Intertek Testing Services NA, Inc./Cortland, NY 13045						
Flow Rate Tested at to Achieve 10 ±0.5 cm/s (LPM)						47.8						
Laboratory Accreditation Credentials						Lab Accreditation						
Sub-micron Particulate Filtration Efficiency (Section 8 .1)											Test Date:	23-Aug-21
Test Values(%) by Specimen												
Condition	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9	Sample 10	Report Value	
Pristine*	98.0	98.1	98.1	98.0	97.9	97.5	97.7	97.6	98.1	98.4	76	
After Wash**	86.1	83.6	98.3	76.6	98.1	92.8	97.5	87.0	82.8	83.9		
Air Flow Resistance (Section 8.2)											Test Date:	23-Aug-21
Test Values (mm H2O) by Specimen												
Condition	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9	Sample 10	Report Value	
Pristine*	7.3	7.3	7.0	7.6	7.4	6.7	7.4	7.0	7.5	7.2	8	
After Wash**	6.8	7.1	6.8	7.4	7.2	7.4	6.9	7.2	7.0	6.6		
* Description of Condition if Other than Pristine (identify where performed)						Intertek Cortland, NY- Pre Conditioning according to section 8.1.1.5 of the ASTM 3502 Standard.						
** Description of Laundering or Cleaning Conditions Applied (identify where performed)						Intertek Cortland, NY- Clean with a 70% alcohol wipe only (as per in pack instructions) 10x						
Description of Approach Applied as Part of Product Design Analysis (provide supporting documentation, as needed)						Evaluated By Client						
Results of quantitative leakage assessment with leakage ration (if applicable Document full findings in separate report)						N/A						
Overall Performance Classification				Sub-micron Particulate Filtration Efficiency		Level 2		Air Flow Resistance		Level 1		

TEST REPORT

SECTION 6

16 CFR 1610 TEST DATA

FLAMMABILITY OF CLOTHING TEXTILES

Surface type: Plain, Single Layer

Tested side: Face

Airpop Kids

Preliminary Test - Original State	
Length Direction	Burn Time (s)
Up	DNI
Down	DNI
Width Direction	Burn Time (s)
Up	DNI
Down	DNI

Final Test - Original State Width Up Direction	
Specimen	Burn Time (s)
1	DNI
2	DNI
3	DNI
4	DNI
5	DNI

Classification:	Class 1, Normal Flammability
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Note: Sample is one-time use item, flammability testing performed in original state only

Test Result Codes: Plain Surface Fabrics	
DNI	Did not ignite (no time)
IBE	Ignited, but extinguished (no time)

TEST REPORT

SECTION 6

16 CFR 1610 TEST DATA

FLAMMABILITY OF CLOTHING TEXTILES

Surface type: Plain, Single Layer

Tested side: Face

Airpop 360 Pro Face Mask

Preliminary Test - Original State	
Length Direction	Burn Time (s)
Up	DNI
Down	DNI
Width Direction	Burn Time (s)
Up	DNI
Down	DNI

Final Test - Original State Width Up Direction	
Specimen	Burn Time (s)
1	DNI
2	DNI
3	DNI
4	DNI
5	DNI

Classification:	Class 1, Normal Flammability
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Note: Sample is one-time use item, flammability testing performed in original state only

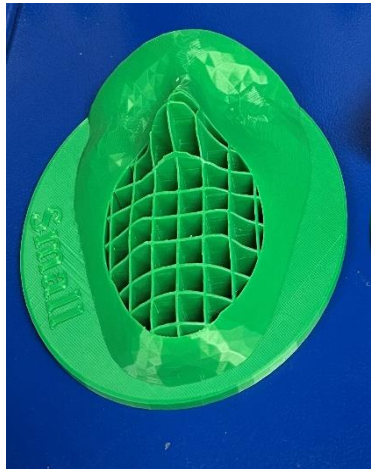
Test Result Codes: Plain Surface Fabrics	
DNI	Did not ignite (no time)
IBE	Ignited, but extinguished (no time)

TEST REPORT

SECTION 4

PHOTOS

Airpop Kids



1. Printed Adult Small Face Form ISO # 16900-5-2016

2. Mask Under Test



3. Mounting of Mask



4. Test Set up

TEST REPORT

Airpop 360 Pro Face Mask



1. Printed Adult Medium Face Form ISO # 16900-5-2016



2. Mask Under Test



3. Mounting of Mask



4. Test Set up

TEST REPORT

SECTION 5

EQUIPMENT LIST AND TESTING DATES

Sub-micron Particulate Filtration Efficiency (Section 8.1)

Description	Control Number	Calibration Date	Calibration Due
Conditioning Monitor	308-H323	8/25/2020	8/25/2021
Timer	308-G22	10/14/2020	10/14/2022
Scale	308-S940	6/8/2021	6/8/2022
Printed Medium Face Form ISO # 16900-5-2016	308-H387	VBU	VBU
Printed Small Face Form ISO # 16900-5-2016	308-H387	VBU	VBU
TSI 8130a Filter Tester	308-H399	VBU	VBU
2inch Die	308-J156	12/5/2020	12/5/2021
Date of Testing	8/23/2021		

Air Flow Resistance (Section 8.2)

Description	Control Number	Calibration Date	Calibration Due
Conditioning Monitor	308-H323	8/25/2020	8/25/2021
Scale	308-S940	6/8/2021	6/8/2022
Printed Medium Face Form ISO # 16900-5-2016	308-H387	VBU	VBU
Printed Small Face Form ISO # 16900-5-2016	308-H387	VBU	VBU
TSI 8130a Filter Tester	308-H399	VBU	VBU
2inch Die	308-J156	12/5/2020	12/5/2021
Date of Testing	8/23/2021		

Description	Control Number	Calibration Date	Calibration Due
Circulating Oven	308-H223	3/2/2021	3/2/2022
Flame Chamber	US20041501	VBU	VBU

Date of Testing	8/23/2021
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