

Test Report

Number: SHAH0121487901S1

Applicant: SHANGHAI EAST BEST FOREIGN TRADE CO.LTD
10-14F NO.258-268 ZHAOJIABANG
RD.SHANGHAI CHINA 200031
Attn: ZOE WANG

Date: May 19, 2020

THIS IS TO SUPERSEDE REPORT NO.
SHAH0121487901 DATED 14 May, 2020

Sample Description:

One (1) group of submitted sample said to be :
Item Name : think! Fabric Face Mask Adult Size Asst Colors 3pk.
Item No. : 30041.
Buyer : Delca Corporation.
Goods Exported To : USA.
Country Of Origin : China.
P.O. No. : 201001.

Tests Conducted:

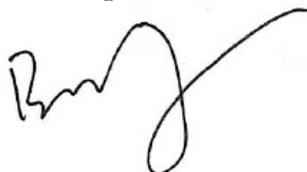
As requested by the applicant, for details refer to attached page(s).

Conclusion:

Tested Samples	Standard	Result
Submitted Sample	U.S. ASTM F963-17- Physical And Mechanical Tests Excluding labeling Requirement of Section 5, 6 and 7	Pass (see remark)
Submitted Samples	U.S. ASTM F963-17- Flammability Test of Materials Other Than Textile Materials	Not applicable (see remark)
	U.S. ASTM F963-17- Flammability Test of Textile Materials	Pass (see remark)
Tested components of submitted sample	U.S. ASTM F963-17 section 4.3.5.2(2)(b) for soluble elements content for non-surface coating materials	Pass
	U.S. ASTM F963-17 for total Lead content	Pass
Tested component of submitted sample	Colour fastness to crocking (AATCC 8-2016) / (AATCC 116-2013)	Pass
	Resistance To Artificial Saliva (DIN 53160-1:2010):	Pass
	Colour fastness to water(AATCC 107-2013)	Pass

To be continued

Authorized By:
For Intertek Testing Services Ltd., Shanghai



Bill Zhang
General Manager



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<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted samples	AATCC 61-2013 Colorfastness to laundering: Accelerated	Pass
	Colour fastness to perspiration (AATCC 15-2013)	Pass
	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate)	Pass
Submitted Sample	Threads Per Unit Length	See test data
	Weight Per Unit Area	See test data
	Air Permeability As Received	See test data

Remark:

The submitted sample was not considered to be a toy and was not subjected to the testing scope of ASTM F963-17. However as requested by the applicant, the sample was tested respect to the requirements as stated in this standard

2.Sample Description for textile test :

Material: Face Mask Fabric
Colour: (A) Blue
(B) Red
(C) Black
(D) Bright White Fabric
(E) Off- White

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Tests Conducted

1 Physical and Mechanical Tests

Based on ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

Applicant's Specified Age Group for Testing: For ages 3 years and up

Test	FHSA	Parameter
Impact Test	Section 1500.53(b)	4 x 3.0 ft
Torque Test	Section 1500.53(e)	4 in-lbf
Tension Test	Section 1500.53(f)	15 lbf
Compression Test	Section 1500.53(g)	30 lbf

Section	Testing Items	Assessment
4.1	Material Quality	P
4.5	Sound-Producing Toys	NA
4.6.1	Toys Intended for Children under 36 Months (Small Objects)	NA
4.6.2	Mouth-Actuated Toys	NA
4.6.3	Toys And Games for 36 Months to 72 Months (Small Part Warning)	NA
4.7	Accessible Edges	P
4.8	Projections	NA
4.9	Accessible Points	P
4.10	Wires Or Rods	NA
4.11	Nails And Fasteners	NA
4.12	Plastic Film	NA
4.13	Folding Mechanisms and Hinges	NA
4.14	Cords, Straps, and Elastics	NA
4.15	Stability and Over-Load Requirements	NA
4.16	Confined Spaces	NA
4.17	Wheels, Tires and Axles	NA
4.18	Holes, Clearance, and Accessibility of Mechanisms	NA
4.19	Simulated Protective Devices	NA
4.20	Pacifiers	NA
4.21	Projectile Toys	NA
4.22	Teethers and Teething Toys	NA
4.23	Rattles	NA
4.24	Squeeze Toys	NA
4.25	Battery-Operated Toys	NA
4.26	Toys Intended to be Attached to a Crib or Playpen	NA
4.27	Stuffed and Beanbag-Type Toys	NA
4.28	Stroller and Carriage Toys	NA
4.29	Art Materials	NA
4.30	Toy Gun Marking	NA
4.31	Balloons	NA



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3 Flammability Test

Based on Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17.

Result:

<u>Sample</u>	<u>After Washing</u> (second)	<u>requirement</u> (second)
White woven	DNI	3.5 or greater
	DNI	
Black woven	DNI	3.5 or greater
	DNI	
Red woven	DNI	3.5 or greater
	DNI	
Blue woven	DNI	3.5 or greater
	DNI	

Remark: DNI = Did Not Ignite

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Testing Period: May 7, 2020 to May 9, 2020

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4 Soluble Elements Analysis In Non-Surface Coating Materials (Substrate Except Modelling Clay)

As per section 4.3.5.2(2)(b) of the ASTM standard consumer safety specification on toy safety F963-17, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (ppm)</u>										<u>Limit (ppm)</u>
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

Remark: Sol. = soluble
ppm = parts per million = mg/kg
spl.wt. = sample weight

Tested components: See component list in the last section of this report.

The sample weight in bracket was for soluble heavy elements analysis only.

Date Sample Received: May 7, 2020
Testing Period: May 7, 2020 to May 14, 2020

5 Total Lead (Pb) Content

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, test method CPSC-CH-E1002-08.3 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

(II) Non-surface coating

<u>Tested component</u>	<u>Result in ppm</u>	<u>Limit (ppm)</u>
(5+6)	<10	100
(7)	14	100
(8)	89	100
(9)	<10	100
(10)	<10	100

Remark: ppm = parts per million = mg/kg

Tested Components: See component list in the last section of this report.

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6 Color Fastness To Crocking

As Per AATCC Test Method 8-2016 / AATCC Test Method 116-2013

	(2)	(3)	(4)	<u>Requirement</u>
Dry	4.5	4.5	4.5	≥3.0
Wet	3.5	3.0	3.0	≥3.0

Tested Components:

Remark: Evaluating against AATCC grey scale

Date Sample Received: May 7, 2020

Testing Period: May 7, 2020 to May 9, 2020

7 Resistance To Artificial Saliva (DIN 53160-1:2010):

	(2)	<u>Saliva</u> (3)	(4)	<u>Requirement</u>
Color Staining	4.5	4.5	4.5	≥3.0

Tested Components:

(2) Black woven fabric. (body)

(3) Red woven fabric. (body)

(4) Blue woven fabric. (body)

Date Sample Received: May 7, 2020

Testing Period: May 7, 2020 to May 9, 2020

8 Color Fastness To Water

As Per AATCC Test Method 107-2013

	(2)	(3)	(4)	<u>Requirement</u>
Colour Change	4.5	4.5	4.5	≥3.0
Colour Staining				≥3.0
-Acetate	4.5	4.5	4.5	
-Cotton	4.5	4.5	4.5	
-Nylon	4.5	4.5	4.5	
-Polyester	4.5	4.5	4.5	
-Acrylic	4.5	4.5	4.5	
-Wool	4.5	4.5	4.5	

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Tested Components:

- (2) Black woven fabric. (body)
- (3) Red woven fabric. (body)
- (4) Blue woven fabric. (body)

Remark: Evaluating against AATCC grey scale

Date Sample Received: May 7, 2020

Testing Period: May 7, 2020 to May 9, 2020

9 Color Fastness To Washing (AATCC 61-2013, Test No. 1B, 20 Minutes Mechanical Wash At 88°F In 0.56% AATCC Liquid WOB Detergent Solution With 10 Rubber Balls):

	(2)	(3)	(4)	<u>Requirement</u>
Colour Change	4.5	4.5	4.5	≥3.0
Colour Staining				≥3.0
-Acetate	4.5	4.5	4.5	
-Cotton	4.5	3.0	4.0	
-Nylon	4.5	4.5	4.5	
-Polyester	4.5	4.5	4.5	
-Acrylic	4.5	4.5	4.5	
-Wool	4.5	4.5	4.5	

Test samples:

- (2) Black woven fabric (Body)
- (3) Red woven fabric (Body)
- (4) Blue woven fabric (Body)

Remark: Evaluating against AATCC grey scale

Date Sample Received: May 9, 2020

Testing Period: May 9, 2020 to May 12, 2020

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10 Color Fastness To Perspiration (AATCC Test Method 15-2013)

	(2)	(3)	(4)	<u>Requirement</u>
Colour Change	4.5	4.5	4.5	≥3.0
Colour Staining				≥3.0
-Acetate	4.5	4.5	4.5	
-Cotton	4.5	4.0	4.5	
-Nylon	4.5	4.5	4.5	
-Polyester	4.5	4.5	4.5	
-Acrylic	4.5	4.5	4.5	
-Wool	4.5	4.5	4.5	

Test samples:

(2) Black woven fabric (Body)

(3) Red woven fabric (Body)

(4) Blue woven fabric (Body)

Remark: Evaluating against AATCC grey scale

Date Sample Received: May 9, 2020

Testing Period: May 9, 2020 to May 12, 2020

11 Phthalate Content

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

<u>Test item</u>	<u>Result (%)</u>			<u>Limit (%) (Max.)</u>
	(5+6)	(9)	(10)	
Dibutyl phthalate (DBP)	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	0.1

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The above limit was quoted according to 16 CFR part 1307 approved by U.S. Consumer Product Safety Commission (CPSC) for prohibition of children's toys and child care articles containing specified phthalates.

Remark: ND = Not Detected
Detection Limit = 0.01%

Tested Component(s): See component list in the last section of this report.

Date Sample Received: May 9, 2020
Testing Period: May 9, 2020 to May 12, 2020

12 Total Lead (Pb) Content In Non-Surface Coating Materials (Substrate)

As per standard operating procedures for determining total Lead (Pb) in children's products, test method CPSC-CH-E1002-08.3 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(5+6)	<10	100
(7)	14	100
(8)	89	100
(9)	<10	100
(10)	<10	100

Remark: ppm = Parts per million = mg/kg

Tested Components: See component list in the last section of this report.

Date Sample Received: May 7, 2020
Testing Period: May 7, 2020 to May 9, 2020

13 Threads Per Unit Length (ASTM D3775-17E1):△

	<u>Per in</u>	(A)	<u>Per cm</u>
Warp	143		56
Weft	68		27
		(B)	
Warp	142		56
Weft	69		27
		(C)	
Warp	137		54
Weft	68		27
		(D)	
Warp	138		54
Weft	69		27

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	(E)	
	<u>Per in</u>	<u>Per cm</u>
Warp	72	28
Weft	52	20

14 Weight Per Unit Area (ASTM D3776 / D3776M - 09a(2017), Option C):△

(A)
115.3 g/m²
(3.4 oz/yd²)

(B)
116.8 g/m²
(3.4 oz/yd²)

(C)
114.1 g/m²
(3.4 oz/yd²)

(D)
113.1 g/m²
(3.3 oz/yd²)

(E)
76.3 g/m²
(2.2 oz/yd²)

15 Air Permeability As Received (ASTM D737-18):△

(A)
53.9 ft³/min/ft²(27.4 cm³/s/cm²)

(B)
37.7 ft³/min/ft²(19.1 cm³/s/cm²)

(C)
77.3 ft³/min/ft²(39.3 cm³/s/cm²)

(D)
27.0 ft³/min/ft²(13.7 cm³/s/cm²)

(E)
323 ft³/min/ft²(164 cm³/s/cm²)

Remark: Test Pressure = 125 Pa
Test Area = 38 cm²

Date Sample Received: May 13, 2020

Testing Period: May 13, 2020 to May 19, 2020

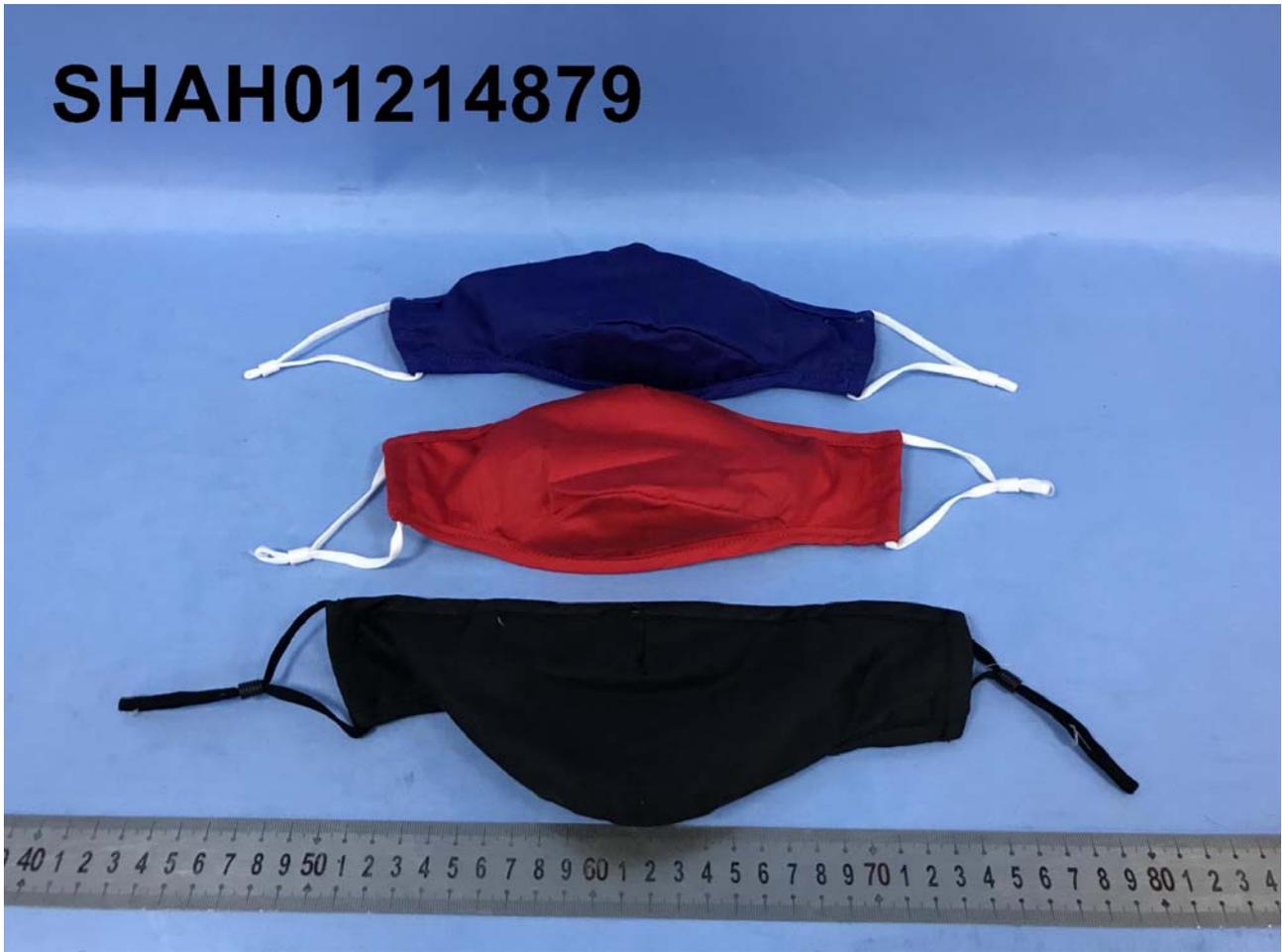
To be continued



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To be continued



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Components List:

- (1) White woven fabric. (lining)
- (2) Black woven fabric. (body)
- (3) Red woven fabric. (body)
- (4) Blue woven fabric. (body)
- (5) Transparent elastic with white knitted fabric. (cord)
- (6) Transparent elastic with black knitted fabric. (cord)
- (7) White soft plastic. (cord fixer)
- (8) Black soft plastic. (cord fixer)
- (9) White soft plastic. (in body)
- (10) Transparent plastic. (O-ring on cord)(Spl.wt. = 58 mg)

Remark: Δ Test Item Is Tested At Location A.

End of report

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This statement of conformity is only based on the actual measured test result by the laboratory, without taking the influence of uncertainty into account.



To: SHANGHAI EAST BEST FOREIGN TRADE CO.LTD
Attention: ZOE WANG

Date: May 19, 2020

Re: Report Revision Notification

Intertek Testing Services Report Number SHAH0121487901 Dated 14 May, 2020.

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Intertek Testing Services Report Number **SHAH0121487901S1**.

Reason for report revision: Add test item

Thank you for your attention.

Authorized By:
For Intertek Testing Services Ltd., Shanghai



Bill Zhang
General Manager

