Test Report

No.: ED191204037C001 Date: Dec. 13, 2019 Page 1 of 10

Applicant	:	JIE SHEN TOYS FACTORY
Address	:	CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA.
Sample Name	:	WIRE DRAWING TOYS SERIES
Style/Item No.	:	8121、8121-1、8121-2、8121-3、8122、8122-1、8122-2、8122-3、8123、8123-1、8123-3、8125、8125-1、8125-2、8125-3、8126、8126-1、8126-2、8126-3、8127、8127-1、8127-2、8127-3、8128、8128-1、8128-2、8128-3、8001、8001A、8001B、8001C、8002、8002A、8002B、8002C、8003、8003A、8003B、8003C、8005、8005A、8005B、8005C、8005-1、8005A-1、8006、8006A、8006B、8006C、8007、8007A、8007B、8008、8008A、8008B、8009、8009A、8009B、8101、8101A、8101B、8018、8028、8028A、8028B、8060B、8060A、8103、8103A、8103B、8105、8105A、8105B、8106、8106A、8106B、8102、8102A、8102B、8102C
Labeled Age Grading	:	Not provided
Requested Age Grading	:	3+
Age Group Applied in Testing	:	Over 3 years
Received Date	:	Dec. 04, 2019
Test Period	:	Dec. 04, 2019 ~ Dec. 13, 2019
Test Requested	:	As specified by the client, for compliance with the test requirement of ASTM F963-17 Standard Consumer Safety Specification on Toy Safety.
Test Results	:	Please refer to next page (s).

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Test Report

Executive Summary:

STANDARD	CONCLUSION
ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	PASS

Signed for and on behalf of
EMTEK(Dongguan) Co., Ltd.

Prepared by:	Reviewed by:	Approved by:
Li Huilan, Kay	Zhang Hongjing, Carrie	Li Wei, Lisa
Report Engineer	Supervisor	Manager
		Dec. 13, 2019

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Test Report

Test Results:

AS SPECIFIED IN ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clause	Description	Result
4.	Safety Requirements	
4.1	Material Quality(Visual Examination).....	Pass
4.2	Flammability	Pass (See Note 1)
4.3	Toxicology	
4.3.1	Hazardous Substances	N/A
4.3.2	Manufacturing and Packaging of Food	N/A
4.3.3	Indirect Food Additives	N/A
4.3.4	Cosmetics	N/A
4.3.5	Heavy Elements	Pass (See Note 2)
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels and Powders	N/A
4.3.7	Stuffing Materials.....	N/A
4.3.8	DEHP	N/A
4.4	Electrical/Thermal Energy.....	N/A
4.5	Sound-producing Toys.....	Pass
4.6	Small Objects	
4.6.1	Toys that are intended for children under 36 months of age.....	N/A
4.6.2	Mouth-Actuated Toys.....	N/A
4.6.3	Toys and games that are intended for use by children who are at least three years old but less than six years of age.....	Pass
4.7	Accessible Edges.....	Pass
4.8	Projections.....	N/A
4.9	Accessible Points.....	Pass
4.10	Wires or Rods	N/A
4.11	Nails and Fasteners.....	Pass
4.12	Plastic Film.....	Pass
4.13	Folding Mechanisms and Hinges.....	N/A
4.14	Cords, Straps, and Elastics	N/A
4.15	Stability and Over-Load Requirements.....	N/A
4.16	Confined Spaces.....	N/A
4.17	Wheels, Tires and Axles.....	N/A
4.18	Holes, Clearance and Accessibility of Mechanisms.....	N/A
4.19	Simulated Protective Devices.....	N/A
4.20	Pacifiers.....	N/A
4.21	Projectile Toys.....	Pass

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Clause	Description	Result
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A
4.25	Battery-Operated Toys	N/C
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.28	Stroller and Carriage Toys	N/A
4.29	Art Materials	N/A
4.30	Toy Gun Marking	N/A
4.31	Balloons	N/A
4.32	Certain Toys with Nearly Spherical Ends	N/A
4.33	Marbles	N/A
4.34	Balls	Pass
4.35	Pompoms	N/A
4.36	Hemispheric-Shaped Objects	N/A
4.37	Yo-Yo Elastic Tether Toys	N/A
4.38	Magnets	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels	N/A
4.40	Expanding Materials	N/A
4.41	Toy Chests	N/A
5.	Safety Labeling Requirements	
5.1	Federal Government Requirements	N/A
5.2	Age Grading Labeling	N/A
5.3	Safety Labeling Requirements	Pass
5.4	Aquatic Toys	N/A
5.5	Crib and Playpen Toys	N/A
5.6	Mobiles	N/A
5.7	Stroller and Carriage Toys	N/A
5.8	Toys Intended to be Assembled by an Adult	N/A
5.9	Simulated Protective Devices	N/A
5.10	Toys with Functional Sharp Edges or Points	N/A
5.11	Small Objects, Small Balls, Marbles and Balloons	Pass
5.12	Toy Caps	N/A
5.13	Art Materials	N/A
5.14	Electric Toys	N/A
5.15	Battery-Operated Toys	N/A
5.16	Promotional Materials	Pass

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Clause	Description	Result
5.17	Magnets ……	N/A
6.	Instructional Literature	
6.1	Definition and Description……	Pass
6.2	Crib and Playpen Toys.....	N/A
6.3	Mobiles.....	N/A
6.4	Toys Intended to be Assembled by an Adult.....	N/A
6.5	Battery-Operated Toys.....	N/A
6.6	Battery Powered Ride-on Toys……	N/A
6.7	Toys in contact with Food……	N/A
6.8	Toy Chests……	N/A
7.	Producer's Markings	
7.1	Producer's Markings ……	Pass
7.2	Battery-Powered Ride-on Toys……	N/A
7.3	Toy Chests……	N/A
8.	Test Method	
8.5	Normal Use Testing.....	Pass
8.5.1	Washable Toys.....	N/A
8.7	Impact Test.....	Pass
8.8	Torque Test.....	Pass
8.9	Tension Test.....	Pass
8.9.1	Seam Test.....	N/A
8.10	Compression Test.....	Pass
8.12	Flexure Test.....	N/A
8.16	Tension Test for Pompoms……..	N/A
8.25	Magnet test method……..……	N/A

N/A = Not Applicable N/C = Not conducted as per client's requirement

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Test Report

Test Results:

Note 1
Flammability Test

ASTM F963-17 – Flammability test (Clause 4.2)
Flammability Test on Solid

Sample	Burning Rate (inch/sec)	Limit (inch/sec)
WIRE DRAWING TOYS SERIES	0.02	0.1

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Test Report

Test Results:

Note 2
Heavy Elements

Remark: After normal use and abuse test, no metallic component (small part) was found.

Heavy metal content in Toy Substrate Materials: ASTM F963-17 Section 4.3.5.2
Test Method: Samples were extracted in diluted hydrochloric acid in accordance with ASTM F963-17 (CLAUSE 8.3), and the analysis was performed by ICP-OES.

Test Item	Total	Soluble							
	Pb	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Requirement (mg/kg)	100	60	25	1000	75	60	90	60	500
Test Item No.		Adjusted Soluble Result (mg/kg)							
1	<2	<2	<2	<2	<2	<2	<2	<2	<2
2	<2	<2	<2	<2	<2	<2	<2	<2	<2
3	<2	<2	<2	<2	<2	<2	<2	<2	<2
4	<2	<2	<2	<2	<2	<2	<2	<2	<2
5	<2	<2	<2	<2	<2	<2	<2	<2	<2
6	<2	<2	<2	<2	<2	<2	<2	<2	<2
7	<2	<2	<2	<2	<2	<2	<2	<2	<2
8	<2	<2	<2	<2	<2	<2	<2	<2	<2
9	<2	<2	<2	<2	<2	<2	<2	<2	<2
10	<2	<2	<2	<2	<2	<2	<2	<2	<2

Note: < = Less than mg/kg = part per million = ppm

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Tested Materials:

No.	Description
1	Red hard plastic
2	Yellow hard plastic
3	Green hard plastic
4	Black hard plastic
5	Orange hard plastic
6	Transparent hard plastic
7	Blue hard plastic
8	Purple hard plastic
9	Yellow EVA
10	Red EVA

Remark: The tested parts were designated by client.

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Test Report

Sample Photo

*** End of Report ***

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