



中国认可
国际互认
检测
TESTING
CNAS L2929

Test Report

No.: T51810240262TY

Date: JUN 22, 2018

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J & Y TOYS FACTORY
CHENGHAI DISTRICT, SHANTOU CITY,
GUANGDONG PROVINCE, CHINA

The following samples were submitted and identified by/on behalf of the client as:

HIGH SPEED COLOUR LASER WARFARE

Item No.	:	JY779050, JY775614, JY775387, JY775354, JY775353, JY779080, JY779079
Labeled Age Grading	:	6+
Requested Age Grading	:	6+
Age Group Assessed As Per Age Guideline	:	OVER 3 YEARS
Age Group Applied in Testing	:	OVER 3 YEARS
Sample Receiving Date	:	JUN 04, 2018
Last Submission Sample Date	:	JUN 15, 2018
Testing Period	:	JUN 04, 2018 TO JUN 22, 2018



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Shenzhen Branch Testing Center Hardlines

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Test Requested		Conclusion
1.	Per applicant's request, for compliance with the selected requirement(s) of ASTM F963-17 Standard Consumer Safety Specification on Toy Safety. Refer to test result page(s) for details. (Except test to USB charger)	--
	ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	PASS (EXCEPT CLAUSE 7.1)

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
SGS-CSTC Standards Technical
Services Co., Ltd. Shenzhen Branch Testing Center

Ouyang Qin, Cansy
Section Manager
CNAS Approved Signatories

Liu Junjie, Tony
Section Manager
CNAS Approved Signatories



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Results:

ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

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

Clauses relevant to the item:

Clause	Description	Result
4	Safety Requirements	
4.1	Material Quality **	Pass
4.2	Flammability Test	Pass
		(See Result Page)
4.3	Toxicology	
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	Pass
		(See Result Page)
4.3.5.2	Heavy Metal in Substrate Materials	Pass
		(See Result Page)
4.7	Accessible Edges	Pass
4.8	Projections	Pass
4.9	Accessible Points	Pass
4.11	Nails and Fasteners	Pass
4.12	Plastic Film	Pass
4.17	Wheels, Tires, and Axles	Pass
4.18	Holes, Clearance & Accessibility of Mechanisms	Pass
4.25	Battery-Operated Toys	N/C
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	Pass
5.16	Promotional Materials	Pass
6	Instructional Literature	
6.5	Battery-Operated Toys	N/C
7	Producer's Markings	
7.1	Producer's Markings	See Remark
	(Remark: It is drawn to your attention that either a principal component of a toy or the package of a toy shall be marked with the name and address of the producer or the distributor.)	
8.5	Normal Use Testing	Pass
8.7	Impact Test	Pass
8.8	Torque Test	Pass
8.9	Tension Test	Pass

N/C=Not Conducted as per client's request

** Visual Examination



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Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample

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Burning Rate (inch/sec)

DNI

Requirement: A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

DNI = Did Not Ignite

ASTM F963-17, Clause 4.3.5.1 – Heavy Elements in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1

Method: With reference to ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)	Lead (Pb)		
MDL (ppm)	10		
Total Limit (ppm)	90		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Multi-color coating (Pattern)	3	1	ND



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Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm)				90	60	25	1000	75	60	60	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	1	1	/	ND	ND	ND	ND	ND	ND	ND	ND

Specimen Description:

1. Multi-color coating (Pattern)

- Note:
- ppm = parts per million
 - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - Migration results of eight elements shown are of the adjusted analytical results



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ASTM F963-17, Clause 4.3.5.2 – Heavy Elements in Substrate Materials

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3

Method: With reference to ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)			Lead (Pb)
MDL (ppm)			10
Total Limit (ppm)			100
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Transparent plastic (Ball)	2	1	ND
2. White plastic (Chassis)	2	2	ND



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Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm) -- Other Than Modeling Clays				90	60	25	1000	75	60	60	500
Migration Limit (ppm) -- Modeling Clays				90	60	25	250	50	25	25	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	1	2	/	ND	ND	ND	ND	ND	ND	ND	ND
2	1	3	/	ND	ND	ND	ND	ND	ND	ND	ND

Specimen Description:

- Transparent plastic (Ball)
- White plastic (Chassis)

Note:

- ppm = parts per million
- 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- Migration results of eight elements shown are of the adjusted analytical results

N.B. : - Only applicable clauses were shown.



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