

TEST REPORT

Applicant: Sheng Shih Metal Co., Ltd.
No 76 Show-Jon St Show-Sui Shiang
Chang-Hwa Hsien Taiwan Roc

Number : TWNH00103354

Issue Date : Apr 15, 2025

Sample Description:

One (1) Group of Submitted Samples Said To Be :
Item Name : Metal Cash Box
Item No. : SS-986A
Quantity : 1 Group
Country of Origin : Taiwan
Goods Exported To : USA
Date Sample Received : Mar 26, 2025
Date Test Started : Mar 26, 2025

Test Conducted:

As requested by the applicant, for details please refer to attached pages.

Conclusion:

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Submitted Samples	Physical and Mechanical Properties — As per applicant's request with reference to ASTM F963-23 excluding sections 5, 6 and 7	Pass
	Flammability Test of Materials other than Textile Materials — ASTM F963-23, section 4.2	Pass
Tested Components of Submitted Samples	Toxic Elements Analysis on Coating — As per ASTM F963-23 standard Consumer Safety Specification for Toy Safety	Pass
	Toxic Elements Analysis in Substrate — As per ASTM F963-23 standard Consumer Safety Specification for Toy Safety	Pass
	Soluble Cadmium (Cd) Content — As per ASTM F963-23 Standard Consumer Safety Specification for Toy Safety	Pass

Authorized By:
On behalf of Intertek Testing Services
Taiwan Limited

Matt Wang
General Manager



Signed by:



Thomas Chou
Manager



Page 1 of 10



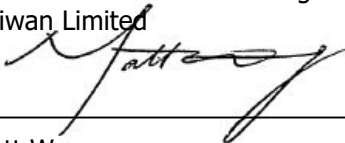
TEST REPORT

Number : TWNH00103354

Conclusion:

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Tested Components of Submitted Samples	Total Lead (Pb) Content in Surface Coating	Pass
	— As per U.S. Consumer Product Safety Improvement Act 2008, title I, section 101	
	Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)	Pass
	— As per U.S. Consumer Product Safety Improvement Act 2008, title I, section 101	
	Phthalates Content	
	— As per US 16 CFR part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
	— As per California Proposition 65 was quoted from the Consent Judgement no. BG-350969 settled by the Superior Court of the state of California for the County of Alameda, for toys based on the California Proposition 65	Pass

Authorized By:
On behalf of Intertek Testing Services
Taiwan Limited


Matt Wang
General Manager



Signed by:



Thomas Chou
Manager



Page 2 of 10



TEST REPORT

Number : TWNH00103354

Test Conducted

1. Physical and Mechanical Properties

As per ASTM F963-23 standard consumer safety specification for toy safety.

Age labeling on package / toy : None

Is age label appropriate*1 : No

Age grading specified by applicant for testing : For ages over 3 years

Section	Testing items	Assessment
4.1	Material quality (visual check on cleanliness)	P
4.3.7	Stuffing material (visual check on contaminations)	NA
4.5*	Sound-producing toys	NA
4.6	Small objects	
4.6.1*	Toys intended for children under 36 months	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months	NR
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	P
4.12	Plastic film	P
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 (such as helmets, hats and goggles)	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



TEST REPORT

Number : TWNH00103354

Test Conducted

1. Physical and Mechanical Properties

<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shape objects	NA
4.37	Yo Yo elastic tether toys	NA
4.38 *	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labeling requirements	
	- Tracking label	NR
	- Safety label	NR
6	Instructional literature	NR
7	Producer's markings	NR

Remarks :

- * = The submitted samples were tested in accordance with the requirements of section 8.5 through section 8.30 e.g. Normal use testing, drop test, torque test, tension test, compression test, flexure test etc. whichever is applicable.
- * 1 = Reference material CPSC's age determination guidelines 2020 and ASTM F963-23 annex A1. The most stringent test is applied if the toy or its package is not age labeled in a clear and conspicuous manner, or, based on such factors as marketing practiced and the customary patterns of usage of the toy.
- P = Pass
- NA = Not applicable
- NR = Not requested by applicant



TEST REPORT

Number : TWNH00103354

Test Conducted

2. Flammability Test

As per section 4.2 of ASTM F963-23 standard consumer safety specification on toy safety.

Specimen	Burn length (inch)	Time (second)	Burn rate (inch/second)	Round burn rate (inch/second)	Limit (inch/second)	Assessment
Submitted Samples	-	-	DNI	-	0.10	P

Remarks : P = Pass
DNI = Did not ignite

In order to pass this criteria the test product shall meet one of the following conditions :

A) Have burn rate of less than 0.10 inch/second. (Round the burn rate to the nearest tenth ,that is round 0.04 up to 0, 0.06 up to 0.10, 0.15 up to 0.2)

B) DNI = Did not ignite.

C) IBE = Ignited but self-extinguished in a very short period which cannot be measured accurately.

3. Toxic Elements Analysis on Coating

As per section 8.3.2,8.3.3 and 8.3.4 of the ASTM F963-23 and CPSIA Test Method: CPSC-CH-E1003-09.1, acid digestion and extraction methods were used and toxic elements content were determined by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES).

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	(1)	(6)	(8)	(18)		
Tot. Lead (Pb)	ND	ND	ND	ND	20	90
Sol. Lead (Pb)	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	5	60
Sol. Chromium (Cr)	ND	ND	ND	ND	5	60
Sol. Barium (Ba)	301	ND	24	350	5	1000
Sol. Mercury (Hg)	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	5	500
Sol. Arsenic (As)	ND	ND	ND	ND	2.5	25

Remarks: Sol. = Soluble
Tot. = Total
ND = Not detected

The results of soluble elements content were adjusted by subtracting analytical correction factor.



TEST REPORT

Number : TWNH00103354

Test Conducted

4. Toxic Elements Analysis in Substrate

As per section 8.3.5 of the ASTM F963-23 and CPSIA test method: CPSC-CH-E1001-08.3 (metal substrates) and CPSC-CH-E1002-08.3 (non-metal substrates), acid digestion and extraction methods were used and toxic elements content were determined by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES).

Element	(2/3/4)(#1)	Result (mg/kg)			Detection Limit (mg/kg)	Limit (mg/kg)
		(5)	(7/9/10)(#1)	(11/12/13)(#1)		
Tot. Lead (Pb)	ND	ND	ND	ND	20	100
Sol. Lead (Pb)	--	ND	--	--	5	90
Sol. Cadmium (Cd)	--	ND	--	--	5	75
Sol. Antimony (Sb)	--	ND	--	--	5	60
Sol. Chromium (Cr)	--	ND	--	--	5	60
Sol. Barium (Ba)	--	ND	--	--	5	1000
Sol. Mercury (Hg)	--	ND	--	--	5	60
Sol. Selenium (Se)	--	ND	--	--	5	500
Sol. Arsenic (As)	--	ND	--	--	2.5	25

Element	(14/15)(#1)	Result (mg/kg)		Detection Limit (mg/kg)	Limit (mg/kg)
		(16)	(17)		
Tot. Lead (Pb)	ND	ND	ND	20	100
Sol. Lead (Pb)	--	ND	ND	5	90
Sol. Cadmium (Cd)	--	ND	ND	5	75
Sol. Antimony (Sb)	--	ND	ND	5	60
Sol. Chromium (Cr)	--	ND	ND	5	60
Sol. Barium (Ba)	--	ND	ND	5	1000
Sol. Mercury (Hg)	--	ND	ND	5	60
Sol. Selenium (Se)	--	ND	ND	5	500
Sol. Arsenic (As)	--	ND	ND	2.5	25

Remarks: Tot. = Total
Sol. = Soluble
ND = Not detected
#1 = According to ASTM F963-23 section 4.3.5.2(1), the tested component was not within the scope for soluble test requirement.

The results of soluble elements content were adjusted by subtracting analytical correction factor.



TEST REPORT

Number : TWNH00103354

Test Conducted

5. Soluble Cadmium (Cd) Content

According to section 8.3.5.5(3) of the ASTM F963-23 and CPSIA test method: CPSC-CH-E1004-11, acid extraction method was used and soluble cadmium content was determined by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES).

<u>Tested Component</u>	<u>Result (µg)</u>	<u>Limit (µg)</u>
(17)	<5	200

Remarks: < = Less than

6. Total Lead (Pb) Content in Surface Coating

According to CPSIA test method: CPSC-CH-E1003-09.1, by acid digestion method and Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) analysis.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)	ND	90
(6)	ND	90
(8)	ND	90
(18)	ND	90

Remarks: ppm = Parts per million based on weight of tested sample = mg/kg
ND = Not detected
Detection limit = 20 ppm

7. Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

According to CPSIA test method: CPSC-CH-E1002-08.3(non-metal) and CPSC-CH-E1001-08.3(metal), by acid digestion and Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) analysis.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(2/3/4)	ND	100
(5)	ND	100
(7/9/10)	ND	100
(11/12/13)	ND	100
(14/15)	ND	100
(16)	ND	100
(17)	ND	100

Remarks: ppm = Parts per million based on weight of tested sample = mg/kg
ND = Not detected
Detection limit = 20 ppm



TEST REPORT

Number : TWNH00103354

Test Conducted

8. Phthalates Content

With reference to CPSIA test method: CPSC-CH-C1001-09.4, by solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Compound	Result (%)				Limit ^A (%)	Limit ^B (%)
	(1/6)	(5)	(16)	(8/18)		
Diethyl hexyl phthalate (DEHP)	ND	ND	ND	ND	0.1	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	0.1	0.1
Dibutyl phthalate (DBP)	ND	ND	ND	ND	0.1	0.1
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	--	0.1
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	0.1	--
Di-iso-butyl phthalate (DIBP)	ND	ND	ND	ND	0.1	--
Di- <i>n</i> -pentyl phthalate (DPENP)	ND	ND	ND	ND	0.1	--
Di- <i>n</i> -hexyl phthalate (DHEXP, DnHP)	ND	ND	ND	ND	0.1	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	0.1	--

Remarks: % = Percentage based on weight of tested sample

ND = Not detected

Detection limit = 0.010 %

A = Limit of US 16 CFR part 1307

B = Limit of California Proposition 65

The above limit was quoted from the Consent Judgement No. BG-350969 settled by the Superior Court of the state of California for the county of Alameda, for toys based on the California Proposition 65.

Tested Component:

- (1) Blue coating on box
- (2) Silvery metal box
- (3) Silvery metal handle
- (4) Silvery metal handle holder
- (5) Silvery/black plastic sticker
- (6) Black coating on plate(#2)
- (7) Silvery metal plate
- (8) Lacquer on frame
- (9) Silvery metal frame
- (10) Silvery metal part on knob
- (11) Silvery metal switch
- (12) Golden metal part
- (13) Silvery metal screw
- (14) Silvery metal rivet
- (15) Silvery metal connector
- (16) White plastic tray
- (17) Silvery metal key
- (18) Pink coating on box

Remarks: #2 = As applicant's request, the alternative paint was dried at 105 °C for 16 hours before test.

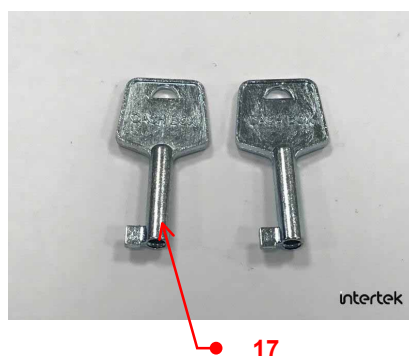
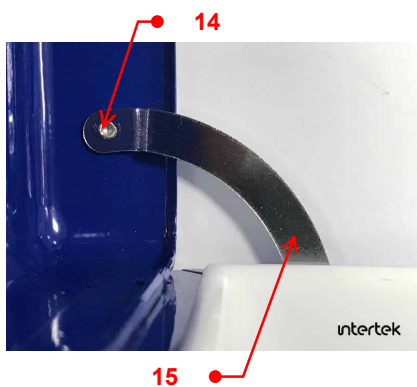
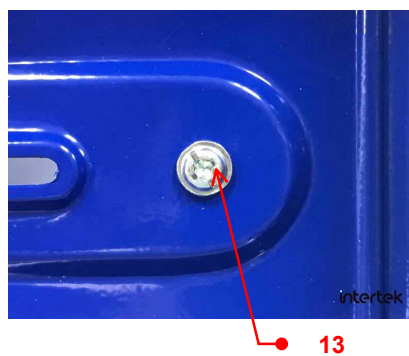
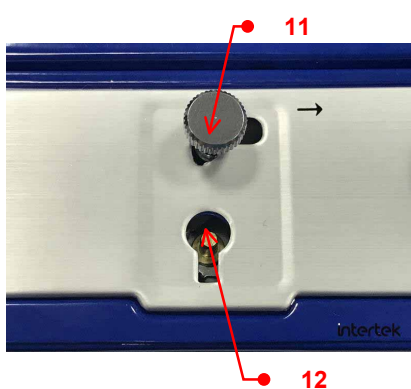
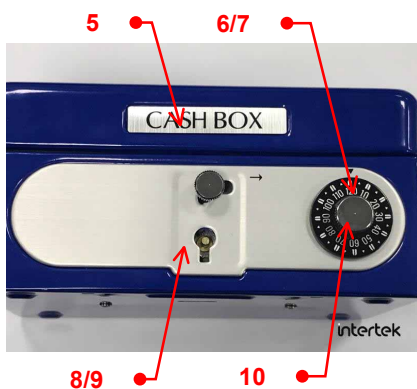
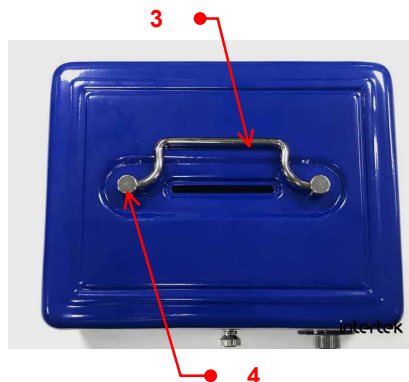


TEST REPORT

Number : TWNH00103354

Sample photo:

TWNH00103354



TEST REPORT

Number : TWNH00103354

Sample photo:



End of Report

Except where explicitly agreed in writing, all work and services performed by Intertek is subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek-twn.com/terms/>. Intertek's responsibility and liability are limited to the terms and conditions of the agreement.

This report is made solely on the basis of your instructions and / or information and materials supplied by you and provide no warranty on the tested sample(s) be truly representative of the sample source. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. Intertek is under no obligation to refer to or report upon any facts or circumstances which are outside the specific instructions received and accepts no responsibility to any parties whatsoever, following the issue of the report, for any matters arising outside the agreed scope of the works. This report does not discharge or release you from your legal obligations and duties to any other person. You are the only one authorized to permit copying or distribution of this report (and then only in its entirety). Any such third parties to whom this report may be circulated rely on the content of the report solely at their own risk.

Reporting Statements of Conformity: Please note that the test results contain statement of conformity with the decision rules which are based on the specifications of customers, regulations and standards, and does not consider measurement uncertainty.



Page 10 of 10

