



中国认可  
国际互认  
检测  
TESTING  
CNAS L2929

## Test Report

No.: T52310240229TY

Date: JAN 17, 2023

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HAPPY ARTS&CRAFTS(NINGBO)CO.,LTD  
HAPE INTERNATIONAL (NINGBO) LTD  
9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY,  
BEILUN, NINGBO, CHINA PC:315800

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

E0605 PERCUSSION DUO  
E0606 RAINBOW XYLOPHONE  
E0615 JUNIOR PERCUSSION SET  
E0611 CHEER-ALONG NOISEMAKERS  
E0612 MIGHTY MINI BAND  
E0608 DOUBLE-SIDED DRUM

Item No. : E0605, E0606, E0615, E0611, E0612, E0608  
Country of Origin : CHINA  
Country of Destination : GLOBAL  
Client Reference Information : E0605A,E0606A,E0615A,E8931,E8931A,E0611A/E8931,  
E0612A,E0608A  
Labeled Age Grading : 12M+ ; 18M+ ; 24M+  
Requested Age Grading : 18M+ FOR ITEM E0611; 24M+ FOR ITEM E0612;  
12M+ FOR OTHERS

\*\*\*\*\*

Age Group Assessed by SGS As Per Age : OVER 18 MONTHS FOR ITEM E0611;  
Guideline OVER 24 MONTHS FOR ITEM E0612;  
OVER 12 MONTHS FOR OTHERS  
Age Group Applied in Testing : OVER 18 MONTHS FOR ITEM E0611;  
OVER 24 MONTHS FOR ITEM E0612;  
OVER 12 MONTHS FOR OTHERS  
Sample Receiving Date : JAN 05, 2023  
Testing Period : JAN 05, 2023 TO JAN 17, 2023



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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.	--
	ASTM F963-17 Standard Consumer Safety Specification for Toy Safety(Except clause 4.3.8)	PASS
2.	For compliance with test requirement of the Physical & Mechanical, Flammability test requirement of Title 16, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A	--
	Physical and mechanical tests consisting US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 and US CPSC 16 CFR 1501: -US CPSC 16 CFR 1500.48 – Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of ages -US CPSC 16 CFR 1500.49 – Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age -US CPSC 16 CFR 1501 – Method for identifying toys and other articles intended for use by children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts	PASS
	US CPSC 16 CFR 1510 – REQUIREMENTS FOR RATTLES	PASS
	US CPSC 16 CFR 1500.44 – Method for determining extremely flammable and flammable solids	PASS
3.	Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A. - Part 1303 - Ban of Lead - Containing Paint and Certain Consumer Products Bearing Lead - Containing Paint – Lead Content	PASS
4.	Tracking label per 15 U.S.C. § 2063(a)(5) and Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.	PASS*



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Test Requested		Conclusion
5.	CPSIA section 101 - Total Lead content	--
	CPSIA section 101(f) (1) – Lead in paint/similar surface coating material	PASS
	Client's Requirement – Lead in paint/similar surface coating material	PASS
	CPSIA section 101(a) (2) – Lead in accessible substrate materials (Including Children's Metal Jewelry)	PASS
	Client's Requirement – Lead in accessible substrate materials (Including Children's Metal Jewelry)	PASS

Remark: Test item (s) with "\*" is (are) not accredited by CNAS

\*\*\*\*\* 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



Huang Yao, Lucy  
Section Head  
CNAS Approved Signatories

Qu Ping, Kiky  
Dept. 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	
4.3.2	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	
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)
4.3.6	Cosmetic, Liquids, Pastes, Putties, Gels, Powders and Item of Avian Feather Origin	N/A
4.3.7	Stuffing Materials	N/A
4.4	Electrical/Thermal Energy	N/A
4.5	Sound-Producing Toys	PASS
4.6.1	Small Objects	PASS
4.6.2	Mouth-Actuated Toys	N/A
4.6.3	Labelling Requirements	N/A
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	N/A
4.13.1	Folding Mechanisms	N/A
4.13.2	Hinge-Line Clearance	N/A
4.14	Cords, Straps and Elastic	PASS



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Clause	Description	Result
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 & Accessibility of Mechanisms	N/A
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	PASS
4.24	Squeeze Toys	N/A
4.25	Battery-Operated Toys (Rechargeable battery/Non-rechargeable battery)	N/A
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 and Nearly Spherical Ends	PASS
4.33	Marbles	N/A
4.34	Balls	N/A
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 Chest	N/A
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	PASS
5.3	Safety Labeling Requirements	N/A
5.4	Aquatic Toys	N/A
5.5	Crib & Playpen Toys	N/A
5.6	Mobile	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 and Sharp Points	N/A
5.11	Small Objects, Small Balls, Marbles, and Balloons	N/A



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Clause	Description	Result
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
5.17	Magnets	N/A
6	Instructional Literature	
6.2	Crib & 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 Toy	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
8.5	Normal Use Testing	PASS
8.7	Impact Test	PASS
8.8	Torque Test	PASS
8.9	Tension Test	PASS
8.10	Compression Test	PASS
8.12	Flexure Test	N/A
8.16	Tension Test for Pompoms	N/A

N/A = Not Applicable

\*\* Visual Examination



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Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample

Burning Rate (inch/sec)

E0605 PERCUSSION DUO

DNI

E0606 RAINBOW XYLOPHONE

E0615 JUNIOR PERCUSSION SET

E0611 CHEER-ALONG NOISEMAKERS

E0612 MIGHTY MINI BAND

E0608 DOUBLE-SIDED DRUM

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 / 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. Transparent lacquer (Body) w/ dark brown, white (Logo), black (Lettering) coating on wood w/ Transparent lacquer coating on metal (Body)	4	1	ND
2. Red w/ dull red coating on wood (Percussion duo, mighty mini band) + Blue w/ light blue coating on wood (Percussion duo) + Light blue coating on wood (Pattern)	4	2	ND
3. Blue coating on wood (Drum) + Multi-color coating on wood (Drum) + Red w/ dark red coating on wood (Body)	4	3	18
4. Yellow w/ orange-brown coating on wood (Xylophone) + Transparent lacquer w/ dull green, dark green coating on wood (Xylophone) + Transparent lacquer w/ dull orange coating on wood (Xylophone) w/ orange-brown, pale blue coating on wood (Xylophone)	4	4	ND



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Test Item(s)	Lead (Pb)		
MDL (ppm)	10		
Total Limit (ppm)	90		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
5. Transparent lacquer w/ dull blue, pale blue coating on wood (Xylophone) + Red coating on metal (Key) + Orange coating on metal (Key)	4	5	ND
6. Yellow coating on metal (Key) + Green coating on metal (Key) + Blue coating on metal (Key)	4	6	ND
7. Light blue coating on metal (Key) + Purple coating on metal (Key) + Light purple coating on metal (Key)	4	7	ND
8. Green coating on wood (Pattern) + Yellow w/ orange coating on wood (Body) + Red w/ dark red coating on wood (Body) w/ Light blue coating on plastic (Pattern)	4	8	ND
9. Light blue w/ dark dull blue w/ Bright blue w/ pale blue coating on wood (Pattern) + Dull orange w/ orange-red coating on wood (Pattern) + Dull red w/ dark dull red (Pattern) w/ Red w/ light orange coating on wood (Pattern)	4	9	ND

## 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
2	1	5	56.5	ND	ND	ND	ND	ND
3	1	6	66.7	ND	ND	ND	ND	ND
4	1	12	/	ND	ND	ND	ND	ND
5	1	13	/	ND	ND	ND	ND	ND
6	1	14	20.2	ND	ND	ND	ND	ND
7	1	16	/	ND	ND	ND	ND	ND
8	1	17	/	ND	ND	ND	ND	ND
9	1	18	/	ND	ND	ND	ND	ND
10	1	19	/	ND	ND	ND	ND	ND
11	1	23	/	ND	ND	ND	57	ND
12	1	24	/	ND	ND	ND	23	ND
13	1	25	/	ND	ND	ND	30	ND
14	1	26	/	ND	ND	ND	59	ND
15	1	27	/	ND	ND	ND	33	ND
16	1	28	/	ND	ND	ND	32	ND



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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)							
17	1	29	/	ND	ND	ND	16	ND	ND	ND	ND
18	1	30	/	ND	ND	ND	21	ND	ND	ND	ND
19	1	31	82.1	ND	ND	ND	ND	ND	ND	ND	ND
20	1	32	92.9	ND	ND	ND	ND	ND	ND	ND	ND
21	1	36	61.7	ND	ND	ND	ND	ND	ND	ND	ND
22	1	37	/	ND	ND	ND	ND	ND	5	ND	ND
23	1	41	/	ND	ND	ND	ND	ND	ND	ND	ND
24	1	42	43.4	ND	ND	ND	ND	ND	ND	ND	ND
25	1	43	55.3	ND	ND	ND	108	ND	ND	ND	ND
26	1	44	62.8	ND	ND	ND	ND	ND	ND	ND	ND
27	1	45	58.9	ND	ND	ND	12	ND	ND	ND	ND

## Specimen Description:

1. Transparent lacquer coating on wood (Body)
2. Red w/ dull red coating on wood (Percussion duo, mighty mini band)
3. Blue w/ light blue coating on wood (Percussion duo)
4. Multi-color coating on wood (Drum)
5. Blue coating on wood (Drum)
6. Red coating on wood (Body)
7. Yellow coating on wood (Xylophone)
8. Transparent lacquer w/ dull green coating on wood (Xylophone)
9. Transparent lacquer w/ dull orange coating on wood (Xylophone)
10. Transparent lacquer w/ dull blue coating on wood (Xylophone)
11. Red coating on metal (Key)
12. Orange coating on metal (Key)
13. Yellow coating on metal (Key)
14. Green coating on metal (Key)
15. Blue coating on metal (Key)
16. Light blue coating on metal (Key)
17. Purple coating on metal (Key)



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### Specimen Description:

18. Light purple coating on metal (Key)
19. Light blue coating on wood (Pattern)
20. Green coating on wood (Pattern)
21. Yellow w/ orange coating on wood (Body)
22. Red w/ dark red coating on wood (Body)
23. Light blue w/ dark dull blue coating on wood (Pattern)
24. Bright blue w/ pale blue coating on wood (Pattern)
25. Dull orange w/ orange-red coating on wood (Pattern)
26. Dull red w/ dark dull red coating on wood (Pattern)
27. Red w/ light orange coating on wood (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)
- Soluble Heavy Metal Content : Result(s) of specimen No.1-No.20 is(are) extracted from report No. T52210330636TC-01.

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- <sup>Δ</sup> Test result is over the action limit as suggested by CPSC-CH-E1003-09.1. As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibility fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- \* Exceeds Permissible Limit

Remark: As received, below test portion(s) is(are) less than 10 mg, therefore such component(s) was(were) not tested for certain migration elements, as specified in ASTM F963-17 Clause 8.3.3.6 (2) – Selection of Test Portions

Dark brown coating on wood (Logo)

White coating on wood (Logo)

Black coating on wood (Lettering)

Transparent lacquer coating on metal (Body)

Light blue coating on plastic (Pattern)

Dark green, dark red, orange-brown, pale blue coating on wood (Xylophone)



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

Method: With reference to CPSC-CH-E1002-08.3 / CPSC-CH-E1001-08.3 / ASTM F963-17 Clause 8.3 / CPSC-CH-E1004-11

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

### 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. Cream plywood (Body)	2	1	ND
2. Dark blue soft plastic (EVA) (Stick) + Red soft plastic (EVA) (Stick) + Yellow soft plastic (EVA) (Stick)	2	2	ND
3. Red plastic (ABS) (Drum) + Blue plastic (Drum) + Yellow plastic (ABS) (Drum, board)	2	3	ND
4. Cream plastic (LDPE) (Xylophone) + White plastic (ABS) (Body) + Bright red plastic (ABS) (Circle)	2	4	ND
5. Dark blue plastic (ABS) (Body) + Transparent plastic sheet (PET) (Body) + Translucent white plastic (Body)	2	5	ND
6. White silicone rubber (Drum skin) + Black rubber (Washer)	3	1	ND
7. White rubber core (Elastic cord) + Off-white rubber core (Elastic cord)	3	2	ND
8. Silvery metal screw (Big)	5	1	ND
9. Silvery metal piece	5	2	ND
10. Silvery metal screw (Small)	5	3	ND
11. Silvery metal cap rod	5	4	ND
12. Bright silvery metal screw	5	5	ND
13. Golden silvery metal cymbal	5	6	ND
14. Silvery metal cap nail	5	7	ND
15. Bright silvery metal hexagonal screw	5	8	ND
16. Iridescent silvery metal nut	5	9	30
17. Silvery metal plate (Key)	5	10	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
3	1	4	/	ND	ND	ND	ND	ND	ND	ND	ND
4	1	7	/	ND	ND	ND	ND	ND	ND	ND	ND
5	1	8	/	ND	ND	ND	ND	ND	ND	ND	ND
6	1	9	/	ND	ND	ND	ND	ND	ND	ND	ND
7	1	10	/	ND	ND	ND	ND	ND	ND	ND	ND
8	1	11	/	ND	ND	ND	ND	ND	ND	ND	ND
9	1	15	/	ND	ND	ND	ND	ND	ND	ND	ND
10	1	20	/	ND	ND	ND	ND	ND	ND	ND	ND
11	1	21	/	ND	ND	ND	ND	ND	ND	ND	ND
12	1	22	/	ND	ND	ND	ND	ND	ND	ND	ND
13	1	33	/	ND	ND	ND	ND	ND	ND	ND	ND
14	1	34	/	ND	ND	ND	ND	ND	ND	ND	ND
15	1	35	/	ND	ND	ND	ND	ND	ND	ND	ND
16	1	38	/	ND	ND	ND	ND	ND	ND	ND	ND
17	1	39	/	ND	ND	ND	ND	ND	ND	ND	ND
18	1	40	/	ND	ND	ND	ND	ND	ND	ND	ND
19	1	46	/	ND	ND	ND	ND	ND	ND	ND	ND
20	1	47	/	ND	ND	ND	ND	ND	ND	ND	ND

## Specimen Description:

1. Cream plywood (Body)
2. Dark blue soft plastic (EVA) (Stick)
3. White woven cord (Elastic cord)
4. Red soft plastic (EVA) (Stick)
5. White silicone rubber (Drum skin)
6. Red plastic (ABS) (Drum)
7. Blue plastic (Drum)
8. Yellow plastic (ABS) (Drum, board)
9. Cream plastic (LDPE) (Xylophone)
10. Yellow soft plastic (EVA) (Stick)



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### Specimen Description:

11. White plastic (ABS) (Body)
12. Bright red plastic (ABS) (Circle)
13. Red woven cord (Elastic cord)
14. Red w/ white woven (Logo label)
15. Black rubber (Washer)
16. Dark blue plastic (ABS) (Body)
17. Transparent plastic sheet (PET) (Body)
18. Translucent white plastic (Body)
19. White rubber core (Elastic cord)
20. Off-white rubber core (Elastic cord)

- Note:
- ppm = parts per million
  - µg/component = microgramme per component
  - ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit = 10 ppm
  - 1% = 10000 mg/kg = 10000 ppm
  - Soluble Heavy Metal Content : Result(s) of specimen No.1-No.13 is(are) extracted from report No. T52210330636TC-01.

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- <sup>Δ</sup> Test result is over recommended action limit (80% of the regulatory limit). As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibly fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- \* Exceeds Permissible Limit



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### US CPSC

PHYSICAL AND MECHANICAL TESTS CONSISTING US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 AND US CPSC 16 CFR 1501

AS SPECIFIED IN PHYSICAL AND MECHANICAL TESTS CONSISTING US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 AND US CPSC 16 CFR 1501

	<u>No. of sample tested</u>	<u>Sharp point (16 CFR 1500.48)</u>	<u>Sharp edge (16 CFR 1500.49)</u>	<u>Small part (16 CFR 1501)</u>
As received	14	Pass	Pass	Pass
Impact test (16 CFR 1500.51b&52b)	7	Pass	Pass	Pass
Bite test (16 CFR 1500.52c)	7	N/A	N/A	N/A
Flexure test (16 CFR 1500.53d)	0	N/A	N/A	N/A
Torque test (16 CFR 1500.53e)	7	Pass	Pass	Pass
Tension test (16 CFR 1500.52f)	7	Pass	Pass	Pass
Compression test (16 CFR 1500.53g)	7	Pass	Pass	Pass

N/A = Not Applicable

US CPSC 16 CFR 1510 – REQUIREMENTS FOR RATTLES

PASS



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US CPSC 16 CFR 1500.44 – METHOD FOR DETERMINING EXTREMELY FLAMMABLE AND FLAMMABLE SOLIDS

AS SPECIFIED IN US CPSC 16 CFR 1500.44 – METHOD FOR DETERMINING EXTREMELY FLAMMABLE AND FLAMMABLE SOLIDS

Sample	Burning Rate (inch/sec)
E0605 PERCUSSION DUO	DNI
E0606 RAINBOW XYLOPHONE	
E0615 JUNIOR PERCUSSION SET	
E0611 CHEER-ALONG NOISEMAKERS	
E0612 MIGHTY MINI BAND	
E0608 DOUBLE-SIDED DRUM	

### 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

### CPSC 16 CFR 1303 - Lead in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

Test Item(s)			Lead (Pb)
Permissible Limit (ppm)			90
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Transparent lacquer (Body) w/ dark brown, white (Logo), black (Lettering) coating on wood w/ Transparent lacquer coating on metal (Body)	6	1	ND
2. Red w/ dull red coating on wood (Percussion duo, mighty mini band) + Blue w/ light blue coating on wood (Percussion duo) + Light blue coating on wood (Pattern)	6	2	ND
3. Blue coating on wood (Drum) + Multi-color coating on wood (Drum) + Red w/ dark red coating on wood (Body)	6	3	18



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# Test Report

No.: T52310240229TY

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Test Item(s)			Lead (Pb)
Permissible Limit (ppm)			90
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
4. Yellow w/ orange-brown coating on wood (Xylophone) + Transparent lacquer w/ dull green, dark green coating on wood (Xylophone) + Transparent lacquer w/ dull orange coating on wood (Xylophone) w/ orange-brown, pale blue coating on wood (Xylophone)	6	4	ND
5. Transparent lacquer w/ dull blue, pale blue coating on wood (Xylophone) + Red coating on metal (Key) + Orange coating on metal (Key)	6	5	ND
6. Yellow coating on metal (Key) + Green coating on metal (Key) + Blue coating on metal (Key)	6	6	ND
7. Light blue coating on metal (Key) + Purple coating on metal (Key) + Light purple coating on metal (Key)	6	7	ND
8. Green coating on wood (Pattern) + Yellow w/ orange coating on wood (Body) + Red w/ dark red, white coating on wood (Body) w/ Light blue coating on plastic (Pattern)	6	8	ND
9. Light blue w/ dark dull blue w/ Bright blue w/ pale blue coating on wood (Pattern) + Dull orange w/ orange-red coating on wood (Pattern) + Dull red w/ dark dull red (Pattern) w/ Red w/ light orange coating on wood (Pattern)	6	9	ND

- Note:
- ppm = parts per million
  - ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit = 10 ppm
  - 1% = 10000 mg/kg = 10000 ppm

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- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- <sup>Δ</sup> Test result is over the action limit as suggested by CPSC-CH-E1003-09.1. As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibility fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- \* Exceeds Permissible Limit



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As specified in 15 U.S.C. § 2063(a)(5) and Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.

- Tracking label on the packaging(For item E0611): Not Applicable
- Tracking label on the packaging(For others): Present
- Tracking label on the product: Present

Note: The tracking label assessment was based on the submitted samples and the information provided by the applicant. There was no verification on the validity of such information.

### CPSIA - Lead in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

Test Item(s)			Lead (Pb)
Permissible Limit (ppm)			90
Client's Limit (ppm)			40
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Transparent lacquer (Body) w/ dark brown, white (Logo), black (Lettering) coating on wood w/ Transparent lacquer coating on metal (Body)	9	1	ND
2. Red w/ dull red coating on wood (Percussion duo, mighty mini band) + Blue w/ light blue coating on wood (Percussion duo) + Light blue coating on wood (Pattern)	9	2	ND
3. Blue coating on wood (Drum) + Multi-color coating on wood (Drum) + Red w/ dark red coating on wood (Body)	9	3	18
4. Yellow w/ orange-brown coating on wood (Xylophone) + Transparent lacquer w/ dull green, dark green coating on wood (Xylophone) + Transparent lacquer w/ dull orange coating on wood (Xylophone) w/ orange-brown, pale blue coating on wood (Xylophone)	9	4	ND
5. Transparent lacquer w/ dull blue, pale blue coating on wood (Xylophone) + Red coating on metal (Key) + Orange coating on metal (Key)	9	5	ND
6. Yellow coating on metal (Key) + Green coating on metal (Key) + Blue coating on metal (Key)	9	6	ND



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Test Item(s)			Lead (Pb)
Permissible Limit (ppm)			90
Client's Limit (ppm)			40
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
7. Light blue coating on metal (Key) + Purple coating on metal (Key) + Light purple coating on metal (Key)	9	7	ND
8. Green coating on wood (Pattern) + Yellow w/ orange coating on wood (Body) + Red w/ dark red, white coating on wood (Body) w/ Light blue coating on plastic (Pattern)	9	8	ND
9. Light blue w/ dark dull blue w/ Bright blue w/ pale blue coating on wood (Pattern) + Dull orange w/ orange-red coating on wood (Pattern) + Dull red w/ dark dull red (Pattern) w/ Red w/ light orange coating on wood (Pattern)	9	9	ND

- Note:
- ppm = parts per million
  - ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit = 10 ppm
  - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- <sup>Δ</sup> Test result is over the action limit as suggested by CPSC-CH-E1003-09.1. As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibly fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- \* Exceeds Permissible Limit



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### CPSIA - Lead in Accessible Substrate Materials

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product

Method (metal materials): With reference to CPSC-CH-E1001-08.3 - Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)

Test Item(s)			Lead (Pb)
Permissible Limit (ppm)			100
Client's Limit (ppm)			40
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Cream plywood (Body)	7	1	ND
2. Dark blue soft plastic (EVA) (Stick) + Red soft plastic (EVA) (Stick) + Yellow soft plastic (EVA) (Stick)	7	2	ND
3. Red plastic (ABS) (Drum) + Blue plastic (Drum) + Yellow plastic (ABS) (Drum, board)	7	3	ND
4. Cream plastic (LDPE) (Xylophone) + White plastic (ABS) (Body) + Bright red plastic (ABS) (Circle)	7	4	ND
5. Dark blue plastic (ABS) (Body) + Transparent plastic sheet (PET) (Body) + Translucent white plastic (Body)	7	5	ND
6. White silicone rubber (Drum skin) + Black rubber (Washer)	8	1	ND
7. White rubber core (Elastic cord) + Off-white rubber core (Elastic cord)	8	2	ND
8. Silvery metal screw (Big)	10	1	ND
9. Silvery metal piece	10	2	ND
10. Silvery metal screw (Small)	10	3	ND
11. Silvery metal cap rod	10	4	ND
12. Bright silvery metal screw	10	5	ND
13. Golden silvery metal cymbal	10	6	ND
14. Silvery metal cap nail	10	7	ND
15. Bright silvery metal hexagonal screw	10	8	ND
16. Iridescent silvery metal nut	10	9	30
17. Silvery metal plate (Key)	10	10	ND
18. Silvery metal screw (Short)	10	11	ND



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- Note:
- ppm = parts per million
  - ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit = 10 ppm
  - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- <sup>Δ</sup> Test result is over recommended action limit (80% of the regulatory limit). As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibly fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- \* Exceeds Permissible Limit

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

### Remark:

1. Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.
2. The statement of conformity has considered the decision rule based on the Guarded acceptance (8.3.2 of ISO/IEC GUIDE 98-4:2012). When the measured value falls within the guard band, only the test data and measurement uncertainty will be reported. The guard band is equal to the expanded measurement uncertainty with a 95% coverage probability ( $k=2$ ),  $w = U_{95}$ . The Probability of False Accept and the Probability of False Reject of the decision rule are 2.5%.

For Upper Tolerance Limit ( $T_U$ ):

Pass - when the measurement result is below  $T_U - U_{95}$

Fail - when the measurement result is above  $T_U + U_{95}$

Inconclusive - when the measurement result is falling in guard band  $[T_U - U_{95}, T_U + U_{95}]$

For Lower Tolerance Limit ( $T_L$ ):

Pass - when the measurement result is above  $T_L + U_{95}$

Fail - when the measurement result is below  $T_L - U_{95}$

Inconclusive - when the measurement result is falling in guard band  $[T_L - U_{95}, T_L + U_{95}]$



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### Sample Picture (As received)

Pic.1

E0608,E0608A



Pic.2

E0612,E0612A



Pic.3

E0606,E0606A



Pic.4

E0611,E0611A/E8931



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Pic.5



Pic.6



SGS authenticate the photo on original report only

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