



中国认可
国际互认
检测
TESTING
CNAS L2929

Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 1 of 31

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:

E0074 SNUGGLE BEAR ACTIVITY GYM/SNOWY TEETHER

Item No. : E0074
Country of Origin : CHINA
Country of Destination : GLOBAL
Client Reference Information : E0074A/E0122,E0122K
Labeled Age Grading : 0-18 MONTHS
Requested Age Grading : 0-18M

Age Group Assessed by SGS As Per Age : ALL AGES
Guideline
Age Group Applied in Testing : ALL AGES
Sample Receiving Date : MAR 25, 2024
Further Information Date : APR 02, 2024
Testing Period : MAR 25, 2024 TO APR 07, 2024



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 2 of 31

Selected test(s) as requested by the client, please refer to test result page(s) for details:

Test Requested		Conclusion
1.	For compliance with the test requirement of ASTM F963-17 Standard Consumer Safety Specification on Toy Safety.	--
	ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	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 Report

No.: T52410271530TY

Date: APR 07, 2024

Page 3 of 31

Test Requested		Conclusion
5.	With reference to the test requirement of ASTM F963-23 Standard Consumer Safety Specification on Toy Safety.	--
	ASTM F963-23 Standard Consumer Safety Specification for Toy Safety	PASS*
6.	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 1: Test item (s) with “*” is (are) not accredited by CNAS

Remark 2: # Retest sample(s) were submitted on Apr 02, 2024 for test clause US CPSC 16 CFR 1501.

***** 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



Jia Fengjuan, Shelly
Dept. Manager
CNAS Approved Signatories

Sun Enxu, Aaron
Dept. Manager
CNAS Approved Signatories



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 4 of 31

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	PASS
4.3.8	DEHP (DOP)	PASS (See Result Page)
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



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 5 of 31

Clause	Description	Result
4.13.1	Folding Mechanisms	N/A
4.13.2	Hinge-Line Clearance	PASS
4.14	Cords, Straps and Elastic	PASS
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	PASS
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	PASS
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	PASS
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	N/A
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



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 6 of 31

Clause	Description	Result
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
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



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 7 of 31

Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample	Burning Rate (inch/sec)
See sample description	0.1

*Burning rate has been rounded to the nearest one tenth of an inch per second.

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.

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 coating on wood (Body) + Multi-color coating on paper board (Picture card)	9	1	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	16	2	/	ND	ND	ND	ND	ND
2	16	36	/	ND	ND	ND	ND	ND



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 8 of 31

Specimen Description:

1. Transparent lacquer coating on wood (Body)
2. Multi-color coating on paper board (Picture card)

- Note:
- ppm = parts per million
 - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - For Soluble Heavy Metal Content:

Result(s) of specimen No.1 is(are) extracted from report No. T52310351212TY.

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
- ^Δ 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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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 9 of 31

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. White rubber core (Elastic cord)	2	1	ND
2. Light blue silicone rubber (Teether)	2	2	ND
3. Silvery metal screw	5	1	ND
4. Silvery metal nut	5	2	ND
5. Silvery-white metal screw (Short)	5	3	ND
6. Silvery-white metal screw (Long)	5	4	ND
7. Cream polywood	12	1	ND
8. Red colored series fabric (Mat, pillow) + Yellow colored series fabric (Mat, pillow) + Brown colored series fabric (Mat, pillow)	12	2	ND
9. Green colored series fabric (Mat) + White satin w/ black printing (Sewn-in label) + White flannel w/ grey, black, coffee, brown printing (Body)	12	3	ND
10. White flannel w/ yellow, black, red printing (Body) + White flannel w/ light green, green, black printing (Body)	12	4	ND
11. Yellow plastic (PE) (Ring) + White plastic (ABS) (Body) + Transparent plastic (ABS) (Body)	12	5	ND
12. Bright white plastic (ABS) (Inner) + Off-white plastic (ABS) (Inner)	12	6	ND
13. Blue soft plastic (Teether) + Transparent plastic sheet (PET) (Mirror) + Transparent plastic sheet (PETG) (Bag)	12	7	ND
14. Transparent plastic film (Interlayer) + White paper label w/ shiny silvery printing (Mirror)	12	8	ND



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 10 of 31

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	16	1	/	ND	ND	ND	ND	ND	ND	ND	ND
2	16	3	/	ND	ND	ND	ND	ND	ND	ND	ND
3	16	4	/	ND	ND	ND	ND	ND	ND	ND	ND
4	16	5	/	ND	ND	ND	ND	ND	ND	ND	ND
5	16	6	/	ND	ND	ND	ND	ND	ND	ND	ND
6	16	7	/	ND	ND	ND	ND	ND	ND	ND	ND
7	16	8	/	ND	ND	ND	ND	ND	ND	ND	ND
8	16	9	/	ND	5	ND	ND	ND	ND	ND	ND
9	16	10	/	ND	ND	ND	ND	ND	ND	ND	ND
10	16	11	/	ND	ND	ND	ND	ND	ND	ND	ND
11	16	12	/	ND	ND	ND	ND	ND	ND	ND	ND
12	16	13	/	ND	ND	ND	ND	ND	ND	ND	ND
13	16	14	/	ND	ND	ND	ND	ND	ND	ND	ND
14	16	15	/	ND	ND	ND	ND	ND	ND	ND	ND
15	16	16	/	ND	ND	ND	ND	ND	ND	ND	ND
16	16	17	/	ND	ND	ND	ND	ND	ND	ND	ND
17	16	18	/	ND	ND	ND	ND	ND	ND	ND	ND
18	16	19	/	ND	ND	ND	ND	ND	ND	ND	ND
19	16	20	/	ND	ND	ND	ND	ND	ND	ND	ND
20	16	21	/	ND	ND	ND	ND	ND	ND	ND	ND
21	16	22	/	ND	ND	ND	ND	ND	ND	ND	ND
22	16	23	/	ND	9	ND	ND	ND	ND	ND	ND
23	16	24	/	ND	8	ND	ND	ND	ND	ND	ND
24	16	25	/	ND	ND	ND	ND	ND	ND	ND	ND
25	16	26	/	ND	ND	ND	ND	ND	ND	ND	ND
26	16	27	/	ND	ND	ND	ND	ND	ND	ND	ND
27	16	28	/	ND	ND	ND	ND	ND	ND	ND	ND
28	16	29	/	ND	ND	ND	ND	ND	ND	ND	ND
29	16	30	/	ND	ND	ND	ND	ND	ND	ND	ND
30	16	31	/	ND	7	ND	ND	ND	ND	ND	ND
31	16	32	/	ND	ND	ND	ND	ND	ND	ND	ND
32	16	33	/	ND	ND	ND	ND	ND	ND	ND	ND
33	16	34	/	ND	ND	ND	ND	ND	ND	ND	ND
34	16	35	/	ND	ND	ND	ND	ND	ND	ND	ND



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 11 of 31

Specimen Description:

1. Cream plywood
2. Yellow plastic (PE) (Ring)
3. White plastic (ABS) (Body)
4. Transparent plastic (ABS) (Body)
5. White woven band (Elastic cord)
6. Blue felt (Body)
7. Light blue woven band w/ blue fabric thread (Connector)
8. Orange felt w/ yellow fabric thread (Body)
9. White woven band (Mat) w/ bright white fabric thread (Mat, body)
10. Red w/ white woven (Logo)
11. Light blue woven (Mat)
12. Blue soft plastic (Teether)
13. Transparent plastic sheet (PET) (Mirror)
14. Transparent plastic sheet (PETG) (Bag)
15. Light blue silicone rubber (Teether)
16. Red colored series fabric (Mat, pillow)
17. Yellow colored series fabric (Mat, pillow)
18. Brown colored series fabric (Mat, pillow)
19. Green colored series fabric (Mat)
20. White satin w/ black printing (Sewn-in label)
21. White flannel w/ grey, black, coffee, brown printing (Body)
22. White flannel w/ yellow, black, red printing (Body)
23. White flannel w/ light green, green, black printing (Body)
24. White rubber core (Elastic cord)
25. Off-white polyfiber (Inner)
26. White mesh (Inner)



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 12 of 31

Specimen Description:

27. White woven cord (Inner)
28. Translucent white non-woven (Interlayer)
29. White polyfiber (Inner)
30. White felt (Interlayer)
31. Bright white plastic (ABS) (Inner)
32. Off-white plastic (ABS) (Inner)
33. Transparent plastic film (Interlayer)
34. White paper label w/ shiny silvery printing (Mirror)

- Note:
- ppm = parts per million
 - µg/component = microgramme per component
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm
 - For Soluble Heavy Metal Content:

Result(s) of specimen No.1 is(are) extracted from report No. T52310351212TY.

Result(s) of specimen No.2 is(are) extracted from report No. T52410270125TY.

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

- ^Δ 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 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.
- + 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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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 13 of 31

Standard Consumer Safety Specification on Toy Safety, ASTM F963-17, Clause 4.3.8 – DEHP Content

Method: With reference to CPSC-CH-C1001-09.4

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / High Performance Liquid Chromatography with Mass Spectrometer (HPLC-MS)

Test Item(s)	Result(s) (%)	MDL (%)	Permissible Limit (%)
Specimen No.	1		
Alias No.	15		
Tracing No.	1		
Bis-(2-ethylhexyl) phthalate (DEHP)	ND	0.015	3

Specimen Description:

1. Transparent plastic (ABS) (Body) + Blue soft plastic (Teether) + Light blue silicone rubber (Teether)

- Note:
- % = percentage by weight
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - 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 total specimen weight
- ^Δ Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- * Exceeds Permissible Limit



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 14 of 31

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	1	Pass	Pass	Pass
Impact test (16 CFR 1500.51b)	1	Pass	Pass	Pass
Bite test (16 CFR 1500.53c)	1	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)	1	Pass	Pass	Pass
Tension test (16 CFR 1500.52f)	1	Pass	Pass	Pass#
Compression test (16 CFR 1500.53g)	1	Pass	Pass	Pass

US CPSC 16 CFR 1510 – REQUIREMENTS FOR RATTLES

PASS

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

<u>Sample</u>	<u>Burning Rate (inch/sec)</u>
See sample description	0.1

*Burning rate has been rounded to the nearest one tenth of an inch per second.

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.



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 15 of 31

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 coating on wood (Body) + Multi-color coating on paper board (Picture card)	8	1	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
- ^Δ 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

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: 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.



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 16 of 31

ASTM F963-23 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

AS SPECIFIED IN ASTM F963-23 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	PASS
4.3.8	Phthalates	PASS (See Result Page)
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	PASS



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 17 of 31

Clause	Description	Result
4.14	Cords, Straps and Elastic	PASS
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	PASS
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	PASS
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	PASS
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	N/A
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



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Shenzhen Branch Testing Center Hardlines

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Member of the SGS Group (SGS SA)

Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 18 of 31

Clause	Description	Result
5	Labeling Requirements	
5.1	Federal Government Requirements	
5.1.1	Specific Labeling Requirement	See Remark
	(Remark: All toys that fall within the definitions and requirements of the U.S. FHSA shall conform to the labeling requirement of that act. For specific requirements, reference 16 CFR 1500.3, 1500.14, 1500.19, 1500.82, 1500.83, 1500.86, 1500.121, 1500.122, 1500.123, 1500.125, 1500.126, 1500.127, 1500.128, 1500.130, 1505.3, and 1511.7. In addition, state labeling requirements may exist.)	
5.1.2	Tracking Label	PASS
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
5.12	Art Materials	N/A
5.13	Electric Toys	N/A
5.14	Battery-operated Toys	N/A
5.15	Promotional Materials	PASS
5.16	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 Toys	N/A
6.7	Toys in Contact with Food	N/A
6.8	Toy Chests	N/A
6.9	The instructional material for toys which require a manufacturer-supplied specialty or custom tool to access the battery(ies)	N/A



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Member of the SGS Group (SGS SA)

Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 19 of 31

Clause	Description	Result
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

Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample	Burning Rate (inch/sec)
See sample description	0.1

*Burning rate has been rounded to the nearest one tenth of an inch per second.

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.



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 20 of 31

ASTM F963-23, Clause 4.3.5.1 – Heavy Elements in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 / ASTM F963-23 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 coating on wood (Body) + Multi-color coating on paper board (Picture card)	10	1	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	17	2	/	ND	ND	ND	ND	ND
2	17	36	/	ND	ND	ND	ND	ND

Specimen Description:

- Transparent lacquer coating on wood (Body)
- Multi-color coating on paper board (Picture card)



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Member of the SGS Group (SGS SA)

Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 21 of 31

- Note:
- ppm = parts per million
 - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - For Soluble Heavy Metal Content:

Result(s) of specimen No.1 is(are) extracted from report No. T52310351212TY.

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
- ^Δ 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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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 22 of 31

ASTM F963-23, 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 F963-23 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. White rubber core (Elastic cord)	3	1	ND
2. Light blue silicone rubber (Teether)	3	2	ND
3. Silvery metal screw	6	1	ND
4. Silvery metal nut	6	2	ND
5. Silvery-white metal screw (Short)	6	3	ND
6. Silvery-white metal screw (Long)	6	4	ND
7. Cream polywood	13	1	ND
8. Red colored series fabric (Mat, pillow) + Yellow colored series fabric (Mat, pillow) + Brown colored series fabric (Mat, pillow)	13	2	ND
9. Green colored series fabric (Mat) + White satin w/ black printing (Sewn-in label) + White flannel w/ grey, black, coffee, brown printing (Body)	13	3	ND
10. White flannel w/ yellow, black, red printing (Body) + White flannel w/ light green, green, black printing (Body)	13	4	ND
11. Yellow plastic (PE) (Ring) + White plastic (ABS) (Body) + Transparent plastic (ABS) (Body)	13	5	ND
12. Bright white plastic (ABS) (Inner) + Off-white plastic (ABS) (Inner)	13	6	ND
13. Blue soft plastic (Teether) + Transparent plastic sheet (PET) (Mirror) + Transparent plastic sheet (PETG) (Bag)	13	7	ND
14. Transparent plastic film (Interlayer) + White paper label w/ shiny silvery printing (Mirror)	13	8	ND



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Member of the SGS Group (SGS SA)



Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 23 of 31

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	17	1	/	ND	ND	ND	ND	ND	ND	ND	ND
2	17	3	/	ND	ND	ND	ND	ND	ND	ND	ND
3	17	4	/	ND	ND	ND	ND	ND	ND	ND	ND
4	17	5	/	ND	ND	ND	ND	ND	ND	ND	ND
5	17	6	/	ND	ND	ND	ND	ND	ND	ND	ND
6	17	7	/	ND	ND	ND	ND	ND	ND	ND	ND
7	17	8	/	ND	ND	ND	ND	ND	ND	ND	ND
8	17	9	/	ND	5	ND	ND	ND	ND	ND	ND
9	17	10	/	ND	ND	ND	ND	ND	ND	ND	ND
10	17	11	/	ND	ND	ND	ND	ND	ND	ND	ND
11	17	12	/	ND	ND	ND	ND	ND	ND	ND	ND
12	17	13	/	ND	ND	ND	ND	ND	ND	ND	ND
13	17	14	/	ND	ND	ND	ND	ND	ND	ND	ND
14	17	15	/	ND	ND	ND	ND	ND	ND	ND	ND
15	17	16	/	ND	ND	ND	ND	ND	ND	ND	ND
16	17	17	/	ND	ND	ND	ND	ND	ND	ND	ND
17	17	18	/	ND	ND	ND	ND	ND	ND	ND	ND
18	17	19	/	ND	ND	ND	ND	ND	ND	ND	ND
19	17	20	/	ND	ND	ND	ND	ND	ND	ND	ND
20	17	21	/	ND	ND	ND	ND	ND	ND	ND	ND
21	17	22	/	ND	ND	ND	ND	ND	ND	ND	ND
22	17	23	/	ND	9	ND	ND	ND	ND	ND	ND
23	17	24	/	ND	8	ND	ND	ND	ND	ND	ND
24	17	25	/	ND	ND	ND	ND	ND	ND	ND	ND
25	17	26	/	ND	ND	ND	ND	ND	ND	ND	ND
26	17	27	/	ND	ND	ND	ND	ND	ND	ND	ND
27	17	28	/	ND	ND	ND	ND	ND	ND	ND	ND
28	17	29	/	ND	ND	ND	ND	ND	ND	ND	ND
29	17	30	/	ND	ND	ND	ND	ND	ND	ND	ND
30	17	31	/	ND	7	ND	ND	ND	ND	ND	ND
31	17	32	/	ND	ND	ND	ND	ND	ND	ND	ND
32	17	33	/	ND	ND	ND	ND	ND	ND	ND	ND
33	17	34	/	ND	ND	ND	ND	ND	ND	ND	ND
34	17	35	/	ND	ND	ND	ND	ND	ND	ND	ND



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Member of the SGS Group (SGS SA)

Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 24 of 31

Specimen Description:

1. Cream plywood
2. Yellow plastic (PE) (Ring)
3. White plastic (ABS) (Body)
4. Transparent plastic (ABS) (Body)
5. White woven band (Elastic cord)
6. Blue felt (Body)
7. Light blue woven band w/ blue fabric thread (Connector)
8. Orange felt w/ yellow fabric thread (Body)
9. White woven band (Mat) w/ bright white fabric thread (Mat, body)
10. Red w/ white woven (Logo)
11. Light blue woven (Mat)
12. Blue soft plastic (Teether)
13. Transparent plastic sheet (PET) (Mirror)
14. Transparent plastic sheet (PETG) (Bag)
15. Light blue silicone rubber (Teether)
16. Red colored series fabric (Mat, pillow)
17. Yellow colored series fabric (Mat, pillow)
18. Brown colored series fabric (Mat, pillow)
19. Green colored series fabric (Mat)
20. White satin w/ black printing (Sewn-in label)
21. White flannel w/ grey, black, coffee, brown printing (Body)
22. White flannel w/ yellow, black, red printing (Body)
23. White flannel w/ light green, green, black printing (Body)
24. White rubber core (Elastic cord)
25. Off-white polyfiber (Inner)
26. White mesh (Inner)



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 25 of 31

Specimen Description:

27. White woven cord (Inner)
28. Translucent white non-woven (Interlayer)
29. White polyfiber (Inner)
30. White felt (Interlayer)
31. Bright white plastic (ABS) (Inner)
32. Off-white plastic (ABS) (Inner)
33. Transparent plastic film (Interlayer)
34. White paper label w/ shiny silvery printing (Mirror)

- Note:
- ppm = parts per million
 - µg/component = microgramme per component
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm
 - For Soluble Heavy Metal Content:

Result(s) of specimen No.1 is(are) extracted from report No. T52310351212TY.

Result(s) of specimen No.2 is(are) extracted from report No. T52410270125TY.

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

- ^Δ 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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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 26 of 31

Standard Consumer Safety Specification on Toy Safety, ASTM F963-23, Clause 4.3.8 – Phthalate Content

Method: With reference to CPSC-CH-C1001-09.4

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / High Performance Liquid Chromatography with Mass Spectrometer (HPLC-MS)

Test Item(s)	CAS No.	Result (s) (%)			MDL (%)	Permissible Limit (%)
Specimen No.	--	1	2	3		
Alias No.	--	14	14	14		
Tracing No.	--	1	2	3		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.015	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.015	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.015	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.015	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	0.015	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.015	0.1
Di-n-pentyl phthalate (DPP/DPEP/DPENP)	131-18-0	ND	ND	ND	0.015	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	0.015	0.1

Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Specimen No.	--	4	5		
Alias No.	--	14	14		
Tracing No.	--	4	5		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.015	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.015	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.015	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.015	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	0.015	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.015	0.1
Di-n-pentyl phthalate (DPP/DPEP/DPENP)	131-18-0	ND	ND	0.015	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	0.015	0.1



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Member of the SGS Group (SGS SA)

Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 27 of 31

Specimen Description:

1. Transparent plastic sheet (PET) (Mirror) + Transparent plastic sheet (PETG) (Bag)
2. Yellow plastic (PE) (Ring) + White plastic (ABS) (Body)
3. Transparent plastic (ABS) (Body) + Blue soft plastic (Teether) + Light blue silicone rubber (Teether)
4. White rubber core (Elastic cord) + Transparent plastic film (Interlayer) + White paper label w/ shiny silvery printing (Mirror)
5. Bright white plastic (ABS) (Inner) + Off-white plastic (ABS) (Inner)

- Note:
- % = percentage by weight
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - 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 total specimen weight
- ^Δ Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- * Exceeds Permissible Limit



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 28 of 31

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 coating on wood (Body) + Multi-color coating on paper board (Picture card)	7	1	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
- ^Δ 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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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 29 of 31

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. White rubber core (Elastic cord)	1	1	ND
2. Light blue silicone rubber (Teether)	1	2	ND
3. Silvery metal screw	4	1	ND
4. Silvery metal nut	4	2	ND
5. Silvery-white metal screw (Short)	4	3	ND
6. Silvery-white metal screw (Long)	4	4	ND
7. Cream polywood	11	1	ND
8. Red colored series fabric (Mat, pillow) + Yellow colored series fabric (Mat, pillow) + Brown colored series fabric (Mat, pillow)	11	2	ND
9. Green colored series fabric (Mat) + White satin w/ black printing (Sewn-in label) + White flannel w/ grey, black, coffee, brown printing (Body)	11	3	ND
10. White flannel w/ yellow, black, red printing (Body) + White flannel w/ light green, green, black printing (Body)	11	4	ND
11. Yellow plastic (PE) (Ring) + White plastic (ABS) (Body) + Transparent plastic (ABS) (Body)	11	5	ND
12. Bright white plastic (ABS) (Inner) + Off-white plastic (ABS) (Inner)	11	6	ND
13. Blue soft plastic (Teether) + Transparent plastic sheet (PET) (Mirror) + Transparent plastic sheet (PETG) (Bag)	11	7	ND
14. Transparent plastic film (Interlayer) + White paper label w/ shiny silvery printing (Mirror)	11	8	ND



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 30 of 31

- Note:
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 - 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
- * Exceeds Permissible Limit

Note:

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N/A = Not Applicable

** = Visual Examination

DNI = Did Not Ignite

SE = Self-Extinguishing

IBE = Ignite But Self-Extinguished

SE within 50mm = Self-extinguished within 50 mm of flame application



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Test Report

No.: T52410271530TY

Date: APR 07, 2024

Page 31 of 31

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 $[T_L - U_{95}, T_L + U_{95}]$

Sample Picture (As received)

Pic.1



SGS authenticate the photo on original report only

*** End of Report ***



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