

Test Report

Report No.: GCT20250723CP00053

Date: August 01, 2025

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Applicant : Shenzhen Simaili Trading Co., LTD
Address : Room C1-811, 8th Floor, Building C, Bantian International Center,
No. 5, Huancheng South Road, Maantang Community, Bantian
Sub-district, Longgang District, Shenzhen
Manufacturer : KAI SI YUAN TOYS FACTORY
Address : SHENZHOU VILLAGE INDUSTRIAL ZONE, LIANXIA
TOWN, CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG
PROVINCE, CHINA

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client.

Sample Name : Hair Braider DIY Set
Model No. : KSY923, KSY965
Labelled Age Grading : Over 6 years old
Requested Age Grade : Over 6 years old
Tested Age Grading : Over 6 years old
Sample Received Date : July 23, 2025
Testing Period : July 24, 2025 – July 30, 2025

Test Requested

As requested by the applicant, refer to attached page(s) for details.

Conclusion

See next page

Test Result(s): Please refer to the following page(s).

Signed for and on behalf of

Shenzhen GCT Testing Technology Co.,Ltd

Edited by

Zhi's Chang

Reviewed by

Raymond Yao

Authorized Signatory

Terry Xia



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No. Test Requested:

Conclusion

1	ASTM F963-23 -Physical & Mechanical properties	Pass
2	ASTM F963-23-Flammability properties.	Pass
3	Consumer Product Safety Commission 16 CFR 1500 & 16 CFR 1501– Sharp Points, Sharp Edges, Small Parts test.	Pass
4	Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103.-Tracking Labels for Children's Products- Tracking label requirement.	Pass
5	Total Lead content in substrate materials-ASTM International Standard ASTM F963-23, Section 4.3.5.2(2)(a).	Pass
6	Soluble elements content- ASTM F963-23 (Clause 4.3.5) Standard Consumer Safety Specification for Toy Safety.	Pass
7	Phthalates content- Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment &16 CFR Part 1307-Prohibition of Children Toys and Child Care Articles Containing Specified Phthalates & ASTM F963-23 (Clause 4.3.8).	Pass
8	USA 16 CFR Part 1303 Ban of Lead Containing Paint and Certain Consumer Products Bearing Lead- Containing Paint.	N/A
9	USA Consumer Product Safety Improvement Act (CPSIA) Sec.101 Children’s products containing Lead; Lead paint rule.	Pass
10	USA Consumer Product Safety Improvement Act (CPSIA) Sec.108 Prohibition on sale of certain products containing specified phthalates.	Pass

N/A: Not applicable.



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Test Result(s):

(1) ASTM F 963-23: Mechanical and physical hazards

Clause	Description	Result
4.1	Material Quality	Pass
4.2	Flammability	Pass
4.3	Toxicology	Pass
4.3.1	Hazardous Substances	N/A
4.3.2	Manufacturing and Packaging of Food	N/A
4.3.3	Indirect Food Additives	N/A
4.3.4	Cosmetics	N/A
4.3.5	Heavy Elements	Pass
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels, Powders, and Items of Avian Feather Origin	N/A
4.3.7	Stuffing Materials	N/A
4.3.8	Phthalates	Pass
4.4	Electrical/Thermal Energy	N/A
4.5	Sound Producing Toys	Pass
4.6	Small Objects	N/A
4.6.1	Toys that are intended for children under 36 months	N/A
4.6.2	Mouth-Actuated Toys	N/A
4.6.3	Toys and games that are intended for use by children who are at least three years old (36 months) but less than six years of age (72 months)	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	Folding Mechanisms and Hinges	N/A
4.13.1	Folding Mechanisms	N/A
4.13.2	Hinge-Line Clearance	N/A
4.14	Cords and Elastics in Toys	N/A
4.15	Stability and Over-Load Requirements	N/A



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Clause	Description	Result
4.16	Confined Spaces	N/A
4.17	Wheels, Tires, and Axles	N/A
4.18	Holes, Clearance, and 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	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A
4.25	Battery-Operated Toys	Pass
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.28	Stroller and Carriage Toys	N/A
4.29	Art Materials	N/A
4.30	Toy Gun Marking	N/A
4.31	Balloons	N/A
4.32	Certain Toys with Nearly Spherical Ends	N/A
4.33	Marbles	N/A
4.34	Balls	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 Chests	N/A
5	Labeling Requirements	
5.1.2	Tracking label	Pass
5.2	Age Grading Labeling	Recorded: 36 months and above
5.3	Safety Labeling Requirements	N/A



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Clause	Description	Result
5.4	Aquatic Toys	N/A
5.5	Crib and Playpen Toys	N/A
5.6	Mobiles	N/A
5.7	Stroller and Carriage Toys	N/A
5.8	Toys Intended to be Assembled By an Adult	N/A
5.9	Simulated Protective Devices	N/A
5.10	Toys with Functional Sharp Edges or Points	N/A
5.11	Small Objects, Small Balls, Marbles, and Balloons	N/A
5.12	Art Materials—Toys and components of toys that fall within the definition of art material as found in 16 CFR 1500.14(b)(8) shall be labeled in accordance with the provisions of that section and Practice D4236.	N/A
5.13	Electric Toys—Refer to 16 CFR 1505.3 for required labeling.	N/A
5.14	Battery-operated Toys	N/A
5.15	Promotional Materials	N/A
5.16	Magnets	N/A
6	Instructional Literature	
6.1	Definition and Description	Pass
6.2	Crib and Playpen Toys	N/A
6.3	Mobiles	N/A
6.4	Toys Intended to be Assembled By an Adult	N/A
6.5	Battery-Operated Toys	N/A
6.6	Battery-powered Ride-on Toys	N/A
6.7	Toys in Contact with Food	N/A
6.8	Toys Chests	N/A
6.9	The instructional material for toys which require a manufacturer-supplied specialty or custom tool to access the battery(ies) shall direct caregivers to retain the tool for future use, to store it where the child cannot access it, and state that the tool is not a toy.	N/A
7	Producer's Markings	
7.1	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.	Pass



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Clause	Description	Result
7.2	Battery-powered Ride-on Toys	N/A

Applicable Section	Description	Age Group	Test condition, lb (kg)	Result	
8.5	Normal use testing		--	Pass	
8.6	Abuse testing		--	Pass	
8.7	Impact test	8.7.1 Drop Test	0 to 18	less than 3 ± 0.01 (1.4)	N/A
			over 18 to 36	less than 4 ± 0.01 (1.8)	N/A
			over 36 to 96	less than 10 ± 0.01 (4.5)	Pass
		8.7.2 Tipover Test for Large, Bulky Toys		N/A	
		8.7.3 Tumble Test for Wheeled Toys		N/A	
	8.7.4 Impact Test for Toys that Cover the Face		N/A		
8.8	Torque test			Pass	
8.9	Tension test			Pass	
8.10	Compression test			N/A	
8.11	Tests for Tire Removal and Snap-in Wheel and Axle Assembly Removal			N/A	
8.12	Flexure Test			N/A	
8.13	Mouth-actuated Toys and Mouth actuated Projectile Toys			N/A	
8.14	Projectiles			N/A	
8.15	Test for Stability of Ride-on Toys or Toy Seats			N/A	
8.23	Test for Loops and Cords			N/A	

Note :

- N/A=Not Application



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(2) ASTM F 963-23: Flammability Tests

Flammability of Solids and Soft Toys – ASTM F963-17(A5)

Sample Name	Burning Rate(inch/sec)*	Limit (inch/sec)
Hair Braider DIY Set	0.02	0.1

Note: In accordance with the ASTM F963, the burning rate should not be greater than 0.1 inch per second.

(3) As per 16 CFR 1500, the hazards of sharp points, sharp edges, small parts are assessed both before and after applicable use and abuse tests

The following clauses are identified to be applicable:

Age grading for testing: Over 6 years old

Test standard	Test Condition		Sharp point	Sharp edge	Small Parts	Rattle Test*
			(1500.48)	(1500.49)	16 CFR 1501	16 CFR 1510
1500.50	Simulating use testing		NA	NA	NA	NA
1500.50	Abuse testing		NA	NA	NA	NA
1500.53	Impact Test	4 x 3 ft	P	P	P	NA
1500.53	Torque Test	4 in lbf	P	P	P	NA
1500.53	Tension Test	15 lbf	P	P	P	NA
1500.53	Compression	30 lbf	P	P	P	NA
1500.53	Flexure Test	--	NA	NA	NA	NA
1500.53	Bite Test	--	NA	NA	NA	NA
1500.121	Labeling requirements; prominence, placement, and conspicuousness					
1500.19	Misbranded toys and other articles intended for use by children					
Note:	*The abuse test of the rattle component(s) is according to part 1500.51					
	P = Pass NA = Not Applicable F = Fail NT = Not Test					



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(4) CPSIA Tracking labels

Test method: As per CPSIA 2008 sec. 103. Tracking labels for children’s products.

Requirement	Result(s)
On Packaging	
Present on packaging	Pass
Permanent	Pass
Manufacturer or private labeler	Pass
Location of production (City and country)	Pass
Date of production (month and year)	Pass
On Product	
Present on product	Pass
Permanent	Pass
Location of production (City and country)	Pass
Date of production (month and year)	Pass
Manufacturer or private labeler	Pass



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Tested Sample/Part Description:

NO.	Sample description
1	Green plastic
2	Yellow plastic
3	Purple plastic

(5) Section 4.3.5.1 Heavy Metals content in paint and similar surface coating material

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

Test method: CPSC-CH-E1001-08.3/CPSC- CH-E1002-08.3,

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test item(s)	Unit	MDL	Limit	Test Result(s)		
				1	2	3
Lead (Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

(6) Soluble elements content- ASTM F963-23 (Clause 4.3.5) Standard Consumer Safety Specification for Toy Safety.

Test Method: ASTM F963-23 Section 8.3.2

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) for Surface Coatings and Substrates Other Than Modeling Clay Included as Part of a Toy

Test item(s)	Unit	MDL	Limit	Test Result(s)		
				1	2	3
Sol. Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.
Sol. Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.
Sol. Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.
Sol. Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.
Sol. Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.
Sol. Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.
Sol. Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.
Sol. Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.

Remark:

Sol. = Soluble

ppm = part per million = mg/kg

ND = Not detected (less than detection limit)



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(7) Phthalates content- Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment &16 CFR Part 1307-Prohibition of Children Toys and Child Care Articles Containing Specified Phthalates & ASTM F963-23 (Clause 4.3.8) Standard Consumer Safety Specification for Toy Safety.

Test Method: CPSC-CH-C1001-09.4

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	CAS No.	Unit	MDL	Limit	Test Result(s)		
					1	2	3
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.	N.D.
Dicyclohexly Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.	N.D.

(8) USA 16 CFR Part 1303 Ban of Lead Containing Paint and Certain Consumer Products Bearing Lead-Containing Paint

Test Method and Test Equipment:

Test Item	Test Method	Test Equipment
Total Lead (Paint and Other Similar Surface Coatings)	CPSC-CH-E1003-09.1	ICP-OES

Test Item	Unit	MDL	Limit	Test Result(s)		
				/	/	/
Total Lead (Paint and Other Similar Surface Coatings)	mg/kg	5	90	NA	NA	NA

Note: 1. mg/kg= ppm

2. N.D.= Not Detected(<MDL)

3. MDL = Method Detection Limit



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(9) USA Consumer Product Safety Improvement Act (CPSIA) Sec.101 Children’s products containing Lead; Lead paint rule

Test Method and Test Equipment:

Test Item	Test Method	Test Equipment
Total Lead(Non-Metal products)	CPSC-CH-E1002-08.3:2012	ICP-OES
Total Lead (Metal products)	CPSC-CH-E1001-08.3:2012	ICP-OES

Test Item	Unit	MDL	Limit	Test Result(s)		
				1	2	3
Total Lead (Non-Metal products)	mg/kg	5	100	N.D.	N.D.	N.D.

Note: 1. mg/kg= ppm

2. N.D.= Not Detected(<MDL)

3. MDL = Method Detection Limit

(10) USA Consumer Product Safety Improvement Act (CPSIA) Sec.108 Prohibition on sale of certain products containing specified phthalates

Test Method and Test Equipment:

Test Item	Test Method	Test Equipment
Phthalate	CPSC-CH-C1001-09.4	GC-MS

Test item(s)	Unit	MDL	Limit	Test Result(s)		
				1	2	3
Dibutyl Phthalate(DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisononyl Phthalate(DINP)	mg/kg	100	1000	N.D.	N.D.	N.D.
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-pentyl phthalate (DPENP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-hexyl phthalate (DHEXP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	mg/kg	50	1000	N.D.	N.D.	N.D.

Note: 1. mg/kg= ppm

2. N.D.= Not Detected(<MDL)

3. MDL = Method Detection Limit

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Photograph of Sample





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Photograph of Sample

Product name: Hair Braider DIY Set

Model No.:KSY923, KSY965

Brand name: N/A

Manufacturer:KAI SI YUAN TOYS FACTORY

Manufacturer Address :SHENZHOU VILLAGE INDUSTRIAL ZONE, LIANXIA TOWN,CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA

Importer: TRANS-PAC CHINA LLC

Importer Address: 3715 S 182nd Street, C120 Seatac,WA 98188-9993 US

Age Range: Over 6 years old

Batch number:2025072201

Production Date:2025/07/01

Made in China



WARNING:

CHOKING HAZARD—small parts.

Not for children under 3 years.

***** End of Report *****