

Test Report

Number: GZHH00507003

Applicant: CUBO TOYS PRIVATE LIMITED
UNIT 1603, 16TH FLOOR, THE L. PLAZA,
367-375 QUEEN'S ROAD CENTRAL, SHEUNG WAN,
HONG KONG

Date: Sep 18, 2023

Sample Description:

Three (3) sets of submitted sample said to be :

Item Name : **Cubo Sticky Feelings**
Item No. : **2**
Labelled Age Group : "age 3yo+"
Applicant Specified Age : 3-8 years
Grading for Testing :
Packaging Provided by Applicant : Yes
Buyer : Cubo Toys Private Limited
Manufacturer : Hunan Splendid Culture Co.,3 Ltd
Country of Destination : US
Country of Origin : China
Date Sample Received : Aug 25, 2023
Testing Period : Aug 25, 2023 ~ Sep 18, 2023



Tests conducted:

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

To be continued



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Conclusion:

<u>Tested sample</u> Submitted sample(s)	<u>Standard - U.S. ASTM F963-17</u> Physical and mechanical tests	<u>Result</u> Pass
	Flammability test of materials other than textile materials	Pass
Tested component(s) of submitted sample(s)	<u>Standard/Testing Item</u> U.S. Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
	U.S. ASTM F963-17 on soluble heavy elements test	Pass
	U.S. ASTM F963-17 on total Lead content in surface coating	Pass
	U.S. ASTM F963-17 on total Lead content in non-surface coating	Pass
	U.S. CFR Title 16 Part 1303 total Lead content	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in surface coating	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for Total Lead content in Non-surface coating materials (substrate)	Pass

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines



Victor T.J. Wang
Assistant General Manager



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Tests Conducted

1 Physical and Mechanical Tests

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-17

The submitted samples were undergone the use and abuse tests in accordance with The Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations :

Test	FHSA	Parameter
Impact test	Section 1500.53(b)	4 X 3 ft
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf
Impact test for magnet	Section 8.25.4.6	1 kg
Compression test	Section 1500.53(g)	30 lbf

Section	Testing Items	Assessment
4.1	Material quality (visual check on cleanliness)	P
4.3.7	Stuffing materials	NA
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (small objects)	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months (small part warning)	NA
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	NA
4.12	Plastic film	NA
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
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA



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Section	Testing Items	Assessment
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	YoYo elastic tether toys	NA
4.38	Magnets	P
4.39	Jaw entrapment in handles and steering wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labelling requirement	P
6	Instructional literature	P
7	Producer's markings	
7.1	- Name of producer/distributor (Package)	Yes
	- Address (Package)	Yes
7.3	Toy chests	NA
7.3.1	Name and address of manufacturer/distributor/seller	NA
7.3.2	Code mark	NA

Remark : The submitted samples were undergone the tests in accordance with section 8.5 through section 8.18 and 8.20 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

P = Pass NA = Not Applicable

2 Flammability test

As per section 4.2 of the ASTM standard consumer safety specification on toy safety F963-17, the samples were tested according to Annex A5 Flammability testing procedure for solids and soft toys

Result : Ignited but self-extinguished before burn rate could be determined



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3 Phthalate Content (U.S. 16 CFR Part 1307)

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test Item	CAS No.	Result					Units	D.L.	Limit
		1	2	3	4	5			
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND	%	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	ND	%	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	%	0.01	0.1
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	ND	%	0.01	0.1
Test Item	CAS No.	Result					Units	D.L.	Limit
		6	-	-	-	-			
Dibutyl phthalate (DBP)	84-74-2	ND	-	-	-	-	%	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	-	-	-	-	%	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	-	-	-	-	%	0.01	0.1
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	-	-	-	-	%	0.01	0.1
Di-isobutyl phthalate (DIBP)	84-69-5	ND	-	-	-	-	%	0.01	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	-	-	-	-	%	0.01	0.1
Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3	ND	-	-	-	-	%	0.01	0.1
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND	-	-	-	-	%	0.01	0.1



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Remarks:

D.L. = Detection Limit

ND = Not detected

The above limit was quoted according to US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates.

Tested Components: See component list in the last section of this report.

4 Heavy Elements Analysis (U.S. ASTM F963-17)

With reference to Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Non-modelling clay

Test Item	Result					Units	D.L.	Limit
	1	2	3	4	5			
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	5	1000
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	5	90
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	75
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	5	60
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	5	500
Chromium (Cr)	ND	ND	ND	ND	ND	mg/kg	5	60
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	5	60
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	2.5	25

Remarks:

D.L. = Detection Limit

ND = Not detected

The analytical results were adjusted by subtracting analytical correction factor.

Tested Components: See component list in the last section of this report.

5 Total Lead (Pb) Content in Surface Coating (U.S. ASTM F963-17)

With reference to Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result					Units	D.L.	Limit
	6	-	-	-	-			
Lead (Pb)	ND	-	-	-	-	mg/kg	10	90



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Remarks:

D.L. = Detection Limit

ND = Not detected

Tested Components: See component list in the last section of this report.

6 Total Lead (Pb) Content in Non-Surface Coating (U.S. ASTM F963-17)

With reference to Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, test method CPSC-CH-E1001-08.3 or/and CPSC-CH-E1002-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry and/or Atomic Absorption Spectrometry.

Test Item	Result					Units	D.L.	Limit
	1	2	3	4	5			
Lead (Pb)	ND	ND	ND	27	ND	mg/kg	10	100

Remarks:

D.L. = Detection Limit

ND = Not detected

Tested Components: See component list in the last section of this report.

7 Total Lead (Pb) Content (U.S. 16 CFR Part 1303)

With reference to Standard Operating Procedure for Determining Lead (Pb) in paint and other similar surface coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result					Units	D.L.	Limit
	6	-	-	-	-			
Lead (Pb)	ND	-	-	-	-	%	0.001	0.009

Remarks:

D.L. = Detection Limit

ND = Not detected

The above limit was quoted according to U.S. CFR Title 16 Part 1303 for Ban of Lead-containing Paint and Certain Consumer Products Bearing Lead-containing Paint.

Tested Components: See component list in the last section of this report.



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8 Total Lead (Pb) Content in Surface Coating (U.S. 16 CFR Part 1303 and CPSIA Section 101)

With reference to Standard Operating Procedure for Determining Lead (Pb) in paint and other similar surface coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result					Units	D.L.	Limit
	6	-	-	-	-			
Lead (Pb)	ND	-	-	-	-	mg/kg	10	90

Remarks:

D.L. = Detection Limit

The above limit was quoted according to U.S. CFR Title 16 Part 1303 and U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in surface coating.

mg/kg = parts per million = ppm

ND = Not detected

Tested Components: See component list in the last section of this report.

9 Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate) (U.S. CPSIA Section 101)

With reference to Standard Operating Procedures for Determining total Lead (Pb) in children's products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry and/or Atomic Absorption Spectrometry.

Test Item	Result					Units	D.L.	Limit
	1	2	3	4	5			
Lead (Pb)	ND	ND	ND	27	ND	mg/kg	10	100

Remarks:

D.L. = Detection Limit

The above limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in Non-surface coating materials.

mg/kg = parts per million = ppm

ND = Not detected

Tested Components: See component list in the last section of this report.



Tests Conducted

Component List

No.	Test Component Description(s)
(1)	White paper card with transparent plastic film and inaccessible coatings (guide cards).
(2)	White paper with transparent plastic film and inaccessible coatings (cover of all magnetic boards).
(3)	White paper with transparent plastic film and inaccessible coatings (cover of box).
(4)	Black magnetic soft plastic (back of all magnetic boards).
(5)	White elastic band (belt).
(6)	@ Orange coating on paper (bag).

@: Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

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