



Test Report

Report No.: LST22122185EN

Date: Dec. 28, 2022

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Applicant: LONGDRAGON INDUSTRIAL CO.,LTD

Address: ROOM 1106,#4,LANE 111,CAODONGZHIRU,SHANGHAI,CHINA

The following sample(s) information and test item(s) were submitted and identified by/on behalf of the applicant

Sample Name: TUTU COSTUME SET
Sample Model: G89303N
P/O No.: 7182
Exported to: USA
Country of Origin: China
Labeled age group: 5Y+
Age grading for testing: Over 5 years old
Applicant's specified age group for testing: Over 5 years old
Sample Receiving Date: Dec. 16, 2022
Testing Period: Dec. 16, 2022 to Dec. 28, 2022

*****FOR FURTHER DETAILS,PLEASE REFER TO THE FOLLOWING PAGE(S)*****

Signed for and on behalf of LST

Rory / Technical Manager

Signed for and on behalf of LST

Davy / Lab supervisor



Zhejiang Lisen Testing Technology Co., Ltd.

Address:5 Floor,Building 13,Yiwu Science&Technology Park,
No.968 Xuefeng West Road,Yiwu,Zhejiang,China

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Summary of Test Result(s):

No.	Test Sample	Test Requested	Result(s)
1	Tested materials of submitted samples	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - Total Lead (Pb) in accessible substrate materials	PASS
2	Tested materials of submitted samples	ASTM F963-17 Section 4.3.5.2 - Total Lead (Pb) content in substrate material	PASS
3	Tested materials of submitted samples	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - 16 CFR 1307 - Phthalates	PASS
4	Tested materials of submitted samples	ASTM F963-17 Section 4.3.5.2 - Soluble Heavy Metals content in substrate material	PASS
5	Submitted samples	ASTM F963-17 - Physical and Mechanical Properties (Excluding Section 4.6,5.2,5.3,5.11,7.1)	PASS
6	Submitted samples	ASTM F963-17 - Flammability	PASS
7	Submitted samples	CPSIA Tracking Labels for Children's Products: As specified in Consumer Product Safety Improvement Act (CPSIA) of 2008 Section 103	PASS

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Sample Description

Material No.	Component Description	Location
01	Multicolor glitter powder with glue	Coating of wing
02	Silvery metal	Wire
03	White plastic	Surface of wire
04	Transparent plastic	Heart-shaped stone
05	White synthetic fiber with white plastic	Elastic rope
06	Silvery glitter powder with glue	Surface of skirt
07	Skirt suit	Skirt suit entirety

Photo of sample



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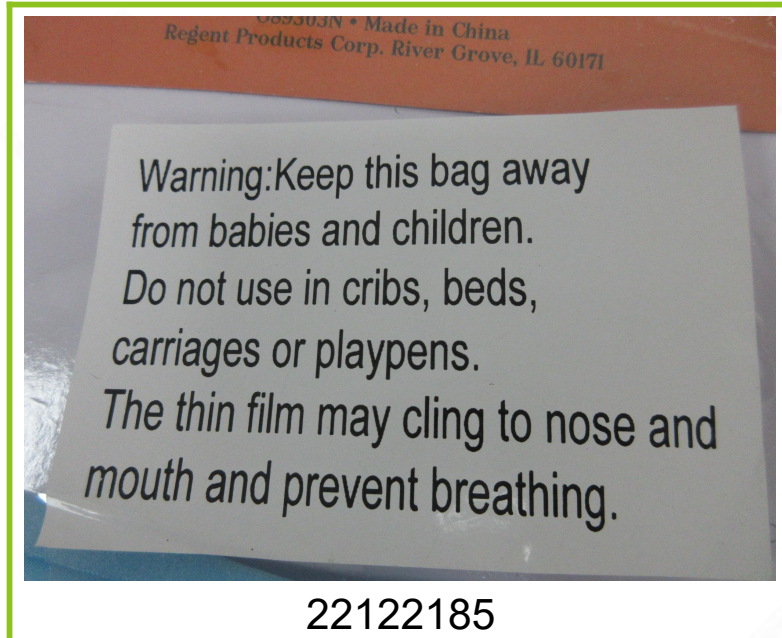


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Test Result(s):

CPSIA - Total Lead(Pb) content of accessible substrate materials

Method:

Metal - With reference to CPSC-CH-E1001-08.3,

Nonmetal - With reference to CPSC-CH-E1002-08.3,

analyzed by Atomic Absorption Spectroscopy (AAS).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
01	100	N.D.	PASS
02	100	N.D.	PASS
03	100	N.D.	PASS
04	100	N.D.	PASS
05	100	N.D.	PASS
06	100	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL (Reporting Limit) = 10 mg/kg.

ASTM F963-17 Section 4.3.5.2 - Total Lead(Pb) content in substrate material

Method:

Metal - With reference to CPSC-CH-E1001-08.3,

Nonmetal - With reference to CPSC-CH-E1002-08.3,

analyzed by Atomic Absorption Spectroscopy (AAS).

Material No.	RL (mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
01	10	100	N.D.	PASS
02	10	100	N.D.	PASS
03	10	100	N.D.	PASS
04	10	100	N.D.	PASS
05	10	100	N.D.	PASS
06	10	100	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
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CPSIA (16 CFR 1307) - Phthalates

Method: With reference to CPSC-CH-C1001-09.4, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Substances	DBP	BBP	DEHP	DINP	DHEXP	DIBP	DCHP	DPENP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	28553-12-0/ 68515-48-0	84-75-3	84-69-5	84-61-7	131-18-0	
Limit (mg/kg)	1000	1000	1000	1000	1000	1000	1000	1000	
RL (mg/kg)	50	50	50	100	50	50	50	50	
Material No.	Result (mg/kg)								
01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
03	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
04	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
06	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.
 4. Children's toys and child care articles shall not more than 1000mg/kg DBP, BBP, DEHP, DINP, DIBP, DCHP,DPENP and DHEXP
 - Children's toys defined as 12 years and under.
 - Child care articles to facilitate sleep or feeding of children 3 years and under, or to help children with sucking and teething.
 5. Polypropylene (PP), polyethylene (PE), acrylonitrile butadiene styrene (ABS), general purpose polystyrene (GPPS), medium-impact polystyrene (MIPS), high-impact polystyrene (HIPS), and super high-impact polystyrene (SHIPS), and their additives as listed in 16 CFR 1308 are exempt from testing. If material identification is not provided, phthalate testing will be conducted on all plastic materials.

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ASTM F963-17 Section 4.3.5.2 - Soluble Heavy Metals content in substrate material

Method: With reference to ASTM F963-17 Section 8.3, analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Elements	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion
Limit for Modeling clay (mg/kg)	25	250	50	25	25	90	60	500	
Limit for Others (mg/kg)	25	1000	75	60	60	90	60	500	
RL (mg/kg)	2.5	5	5	5	5	5	5	5	
Material No.	Result (mg/kg)								
01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
02	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
03	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
04	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10	N.D.	PASS
06	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	13	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
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ASTM F963-17 - Mechanical and Physical Properties

Section	Testing Items	Assessment
		07
4	Safety requirements	
4.1	Material quality	PASS
4.3.7	Stuffing materials	NA
4.4	Electrical/thermal energy	NA
4.5	Sound producing toys	NA
4.6	Small objects	NR*
4.6.1	Toys intended for children under 36 months of age	NA
4.6.2	Mouth actuated toys	NA
4.6.3	Toys intended for children under 36 months of age Mouth actuated toys	NR*
4.7	Accessible edges	PASS
4.8	Projections	NA
4.9	Accessible points	PASS
4.10	Wires or rods	PASS
4.11	Nails and fasteners	NA
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords and elastics in toys	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	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

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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
4.33	Marble	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yo Yo Elastic Tether Toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labeling Requirement	
5.2	Age Grading labeling	NR*
5.3	Safety labeling requirements	NR*
5.4	Aquatic toys	NA
5.5	Crib and playpen toys	NA
5.6	Mobiles	NA
5.7	Stroller and carriage toys	NA
5.8	Toys intended to be assembled by an adult	NA
5.9	Simulated protective devices	NA
5.10	Toys with functional sharp edges or points	NA
5.11	Small objects, small balls, marbles, and balloons	NR*
5.12	Toy caps	NA
5.13	Art materials	NA
5.14	Electric toys	NA
5.15	Battery operated toys	NA
5.16	Promotional materials	NA
5.17	Magnets	NA
6	Instructional Literature	

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6.1	Definition and description	NA
6.2	Crib and playpen toys	NA
6.3	Mobiles	NA
6.4	Toys intended to be assembled by an adult	NA
6.5	Battery operated toys	NA
6.6	Battery powered ride-on toys	NA
6.7	Toys in contact with food	NA
6.8	Toy chests	NA
7	Producer's Marking	
7.1	Name of the producer or the distributor	NR*
	Address of the producer or the distributor	NR*
7.2	Battery powered ride on toys	NA
7.3	Toy chests	NA

- Note:**
1. NA = Not Applicable
 2. NR =Not Requested
 3. The sample is tested for "over 5 years of age" as the client's request.

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:

Testing Items	FHSA	Parameter
Drop Test	Section 1500.53(b)	4×3.0 ft
Torque Test	Section 1500.53(e)	4.0 inch ·lbf
Tension Test	Section 1500.53(f)	15 lbf

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ASTM F963-17 Annex A6 - Flammability

Material No.	Description	Test Sample		Plain Surface
				Time of Flame Spread (S)
07	Butterfly skirt	As Received	1	DNI
			2	DNI
			3	DNI
			4	DNI
			5	DNI
			Average	DNI
			Conclusion	PASS

Requirement:

- 1) All specimens either did not ignite, ignited but self extinguished, or any combination thereof.
IBE: Ignited but extinguished
DNI: Did not ignite.
- 2) Average burn time is 3.5 s or greater.

Remark:

1. If only 1 of 5 specimens ignites and burns the stop cord with a time of 3.5 sec. or more, samples are acceptable.
2. If only 1 of 5 specimens ignites and burns the stop cord in less than 3.5 sec., test another set of 5 specimens. Compute the average time of flame spread for all 10 specimens. If 2 or more of these specimens ignite and burn the stop cord, average the results from those specimens. If only 1 of the 10 specimens ignites and burns the stop cord, samples are acceptable.

***End of Report**

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