



SAFETY COMPLIANCE TESTING FOR LOST BOY ENTERTAINMENT

Tested Sample(s) : 4

Brand : Lost Boy Entertainment Model : Plunder: A Pirate's Life

Color : Black

Size : 300x300x80mm

Stock / Model Number : KCS01002
Country of Origin : China
Age Grading : 10+
Children's Product : NO

Prepared For:

LOST BOY ENTERTAINMENT

16732 SEPTO ST NORTH HILLS CALIFORNIA 91343 US

Sep. 30, 2020

Final Report No.: CTT2009012385EN

Tested By:

CTT Consumer Testing Technology

No.7, Gongye Beisi Road, Songshanhu High-Tech Industrial Development Park, Dongguan, Guangdong, China.

On behalf of:

ACT LAB LLC

3280 East 59th St, Long Beach, CA 90805 USA







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Applicant: LOST BOY ENTERTAINMENT

Address: 16732 SEPTO ST NORTH HILLS CALIFORNIA 91343 US

Sample Received Date:Sep. 17, 2020Completed Date:Sep. 30, 2020Report Date:Sep. 30, 2020

The following merchandise was (were) submitted and identified on behalf of the applicant as:

Tested Sample(s): 4

Company Name: Lost Boy Entertainment LLC
Brand: Lost Boy Entertainment
Model: Plunder: A Pirate's Life

Color: Black

Size: 300x300x80mm
Stock/Model Number: KCS01002
Country of Origin: China
Age Grading: 10+
Children Product: NO

Barcode: 860002692807 **Services for ACT Lab No.:** TBD.02714

Test Result(s): Please refer to next page(s).

Test Requested and Conclusion(s): Please refer to next page(s).

Signed for and on Behalf of CTT:

Hilary He Fim. Tan

Hilary He/Jim Tan

Technical Manager





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Test Requested and Conclusion(s):

No.	Standard and Requirement	Conclusion(s)
1	ASTM F963-17 Mechanical and physical properties(Excluding section 4.12,5.16, 6.1 and 7.1)	PASS
2	ASTM F963-17 Flammability	PASS
3	CPSIA Tracking Labels for Children's Products: As specified in Consumer Product Safety Improvement Act (CPSIA) of 2008 Section 103	PASS
4	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - Total Lead (Pb) in accessible substrate materials	PASS
5	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - Total Lead (Pb) in paint or surface coating	PASS
6	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - 16 CFR 1307 - Phthalates	PASS
7	CPSC 16 CFR 1303 - Total Lead (Pb)	PASS
8	ASTM F963-17 Section 4.3.5.2 (Non-Modeling Clays) - Soluble heavy metals	PASS
9	ASTM F963-17 Section 4.3.5.1 (Paint and Surface Coating) - Soluble heavy metals	PASS
10	ASTM F963-17 Section 4.3.5.1 (Paint and Surface Coating) - Total Lead	PASS
11	ASTM F963-17 Section 4.3.5.2 (Metallic Material) - Total Lead	PASS
12	ASTM F963-17 Section 4.3.5.2 (Non-metallic Materials) - Total Lead	PASS





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Test Result(s):

Mechanical and Physical Properties - ASTM F963-17

Section	Testing Items	Assessment
Section	resumy items	028
4	Safety requirements	PASS
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	NA
4.6.1	Toys intended for children under 36 months of age	NA
4.6.2	Mouth actuated toys	NA
4.7	Accessible edges	NA
4.8	Projections	NA
4.9	Accessible points	NA
4.10	Wires or rods	NA
4.11	Nails and fasteners	NA
4.12	Plastic film	NR*
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 NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA 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





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4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.34.1	Toy intended for children under 36 months of age	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	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	NA 8
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	NR*
5.17	Magnets	NA
6	Instructional Literature	NR*
6.1	Definition and description	NR*
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





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6.7	Toys in contact with food	NA		
6.8	Toy chests	NA		
7	Producer's Marking			
7.4	Name of the producer or the distributor	NR*		
7.1	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. "*" = Per client's requirement, the packaging was not evaluated.
- 4. The name and address of the producer or the distributor shall be marked on the toy or the package.

Test Result(s):

Flammability - ASTM F963-17 Annex A5

Sample Description	Ignition Location	Burn Length (inch)	Burn Time (sec.)	Burn Rate (inch/sec.)	Limit (inch/sec.)	Conclusion
028-Map	Edge	/	1	DNI	0.15	PASS
028-Ship	Edge	/	I Last Co	DNI	0.15	PASS
028-Flag	Edge	/	Many AC	DNI	0.15	PASS
028-Mast	Edge	/	101110	DNI	0.15	PASS

Note: 1.DNI = Did not ignite.

- 2. IBE = Ignited but self-extinguished before burn-rate could be determined.
- 3. All styles of the submitted toy samples (and its accessories) was/were tested, the above result only showed the most severe burn rate of the samples.





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Test Result(s):

CPSIA Tracking Labels for Children's Products (Visual)

Method: As Specified in Consumer Product Safety Improvement Act (CPSIA) of 2008 Section 103

Tracking label on the packaging 1

ed Press	Result 028		
Requirement			
Name of the manufacture or the name of the private labeler.	Lost Boy Entertainment LLC		
Manufacture location, including the name of the city and country, or the name of other means of coding of city and state.	LongPack. 251416, Made in China		
Date of the production of the product, in a form of Month/ Year or any other coding system.	LongPack. 251416		
The cohort information(including the batch, run number, or other identifying characteristic.	LongPack. 251416		
Permanent remark	PASS		

Note: 1. The tracking label assessment was based on the submitted samples and the information provided or not provided by the applicant. There is no verification on the validity of such information.





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Test Result(s):

Total Lead (Pb) in accessible substrate materials - US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)]

Method: CPSC-CH-E1002-08.3(2012), analyzed by Atomic Absorption Spectrometer (AAS) .

Substances	Pb	×
CAS No.	7439-92-1	
Reporting Limit (mg/kg)	10 100	
Limit (mg/kg)		
Material No.	Result (mg/kg)	
001+025	N.D.	PASS
004+005+006	N.D.	PASS
007+008+009	N.D.	PASS
010+014+015	N.D.	PASS
016+017+018	N.D.	PASS
019+023+024	N.D.	PASS

NOTE:

- 1. mg/kg = milligram per kilogram (ppm).
- 2. N.D. = Not Detected (Less than Reporting Limit).
- 3. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had been taken in account in the conclusion of this report.





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Test Result(s):

Total Lead (Pb) in accessible substrate materials - US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)]

Method: CPSC-CH-E1001-08.3(2012), analyzed by Atomic Absorption Spectrometer (AAS) .

Substances	Pb	
CAS No.	7439-92-1	
Reporting Limit (mg/kg)	10	Conclusion
Limit (mg/kg)	100	
Material No.	Result (mg/kg)	
026	12	PASS

NOTE: 1. mg/kg = milligram per kilogram (ppm).

2. N.D. = Not Detected (Less than Reporting Limit).

Test Result(s):

Total Lead (Pb) in paint or surface coating - US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)]

Method: CPSC-CH-E1003-09.1(2011), analyzed by Atomic Absorption Spectrometer (AAS).

Substances	Pb	
CAS No.	7439-92-1	
Reporting Limit (mg/kg)	10	Conclusion
Limit (mg/kg)	90	
Material No.	Result (mg/kg)	
011+012+013	N.D.	PASS

NOTE: 1. mg/kg = milligram per kilogram (ppm).

2. N.D. = Not Detected (Less than Reporting Limit).

3. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had been taken in account in the conclusion of this report.





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Test Result(s):

Total Lead (Pb) in paint or surface coating - US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)]

Method: ASTM F2853-10e1, analyzed by X Ray Fluorescence (XRF)

Material No.	Limit (mg/kg)	Result(mg/kg)	Conclusion
020	90	N.D.	PASS
021	90	N.D.	PASS
022	90	N.D.	PASS

NOTE: 1. mg/kg = milligram per kilogram (ppm).

2. N.D. = Not Detected (Less than Reporting Limit).

3. RL (Reporting Limit) = 10mg/kg.

Test Result(s):

Phthalates - US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - 16 CFR 1307

Method: CPSC-CH-C1001-09.4(2018), analyzed by Gas Chromatography-Mass Spectrometer (GC-MS).

NO.	Substances Name CAS NO. Limit (mg/kg) Reporting Limit (mg/kg)	CAS NO	Limit	700	Result (mg/kg)	
ILL PRO		201 201	001+025	004+005+006		
1	DBP	84-74-2	1000	50	N.D.	N.D.
2	BBP	85-68-7	1000	50	N.D.	N.D.
3	DEHP	117-81-7	1000	50	N.D.	N.D.
4	DINP	28553-12-0/ 68515-48-0	1000	100	N.D.	N.D.
5	DNHP	84-75-3	1000	50	N.D.	N.D.
6	DIBP	84-69-5	1000	50	N.D.	N.D.
7	DPENP	131-18-0	1000	50	N.D.	N.D.
8	DCHP	84-61-7	1000	50	N.D.	N.D.
	Conclusion					PASS





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NO.	Substances	CAS NO.	Limit	Reporting Limit	Result (mg/kg)	
	Name	OAO NO.	(mg/kg)	(mg/kg)	007+008+009	010+014+015
1	DBP	84-74-2	1000	50	N.D.	N.D.
2	BBP	85-68-7	1000	50	N.D.	N.D.
3	DEHP	117-81-7	1000	50	N.D.	N.D.
4	DINP	28553-12-0/ 68515-48-0	1000	100	N.D.	N.D.
5	DNHP	84-75-3	1000	50	N.D.	N.D.
6	DIBP	84-69-5	1000	50	N.D.	N.D.
7	DPENP	131-18-0	1000	50	N.D.	N.D.
8	DCHP	84-61-7	1000	50	N.D.	N.D.
		Conclusion		•	PASS	PASS

NO.	Substances	CAS NO.	Limit	Reporting Limit	Result	(mg/kg)	
110.	Name	OAU NO.	(mg/kg)	(mg/kg)	016+017+018	019+023+024	
1	DBP	84-74-2	1000	50	N.D.	N.D.	
2	BBP	85-68-7	1000	50	N.D.	N.D.	
3	DEHP	117-81-7	1000	50	N.D.	N.D.	
4	DINP	28553-12-0/ 68515-48-0	1000	100	N.D.	N.D.	
5	DNHP	84-75-3	1000	50	N.D.	N.D.	
6	DIBP	84-69-5	1000	50	N.D.	N.D.	
7	DPENP	131-18-0	1000	50	N.D.	N.D.	
8	DCHP	84-61-7	1000	50	N.D.	N.D.	
		Conclusion	•	•	PASS	PASS	

NOTE:

- 1. mg/kg = milligram per kilogram (ppm).
- 2. N.D. = Not Detected (Less than Reporting Limit).
- 3. Children's toys and child care articles shall not more than 1000mg/kg of DBP, BBP, DEHP, DINP, DIBP, DCHP, DPENP and DNHP (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.
- 4. 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





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1308 are exempt from testing. If material identification is not provided, phthalate testing will be conducted on all plastic materials.

5. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had been taken in account in the conclusion of this report.

Test Result(s):

Total Lead - CPSC 16 CFR 1303

Material No.	Limit (mg/kg)	Result(mg/kg)	Conclusion
020	90	N.D.	PASS
021	90	N.D.	PASS
022	90	N.D.	PASS

NOTE:

- 1. mg/kg = milligram per kilogram (ppm).
- 2. N.D. = Not Detected (Less than Reporting Limit).
- 3. RL (Reporting Limit) = 10mg/kg.
- 4. The result(s) is(are) tested according to the method ASTM F2853-10e1.

Test Result(s):

Total Lead (Pb) - CPSC 16 CFR 1303

Method: ASTM E1645-2016, analyzed by Atomic Absorption Spectrometer (AAS).

Substances	Pb	
CAS No.	7439-92-1	This or
Reporting Limit (mg/kg)	10	Conclusion
Limit (mg/kg)	90	
Material No.	Result (mg/kg)	d 20
002	N.D.	PASS

NOTE:

- 1. mg/kg = milligram per kilogram (ppm).
- 2. N.D. = Not Detected (Less than Reporting Limit).





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Test Result(s):

Total Lead (Pb) - CPSC 16 CFR 1303

Substances	Pb	
CAS No.	7439-92-1	
Reporting Limit (mg/kg)	10	Conclusion
Limit (mg/kg)	90	
Material No.	Result (mg/kg)	
011+012+013	N.D.	PASS

NOTE:

- 1. mg/kg = milligram per kilogram (ppm).
- 2. N.D. = Not Detected (Less than Reporting Limit).
- 3. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had been taken in account in the conclusion of this report.
- 4. The result(s) is(are) tested according to the method CPSC-CH-E1003-09.1(2011).





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Test Result(s):

Soluble heavy metals - ASTM F963-17 Section 4.3.5.2 (Non-Modeling Clays)

 $\underline{\text{Method:}} \ \text{ASTM F963-17, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer} \ \ (\text{ICP-OES}) \ .$

NO.	Substances Name	CAS NO.	Limit	Reporting Limit	Result (mg/kg)	
NO.	Oubstances Name	OAO NO.	(mg/kg)	(mg/kg)	001	003
10	Soluble Antimony (Sb)	7440-36-0	60	5	N.D.	N.D.
2	Soluble Arsenic (As)	7440-38-2	25	2.5	N.D.	N.D.
3	Soluble Barium (Ba)	7440-39-3	1000	5	9	N.D.
4	Soluble Cadmium (Cd)	7440-43-9	75	5	N.D.	N.D.
5	Soluble Chromium (Cr)	7440-47-3	60	5	N.D.	N.D.
6	Soluble Lead (Pb)	7439-92-1	90	5	N.D.	N.D.
7	Soluble Mercury (Hg)	7439-97-6	60	5	N.D.	N.D.
8	Soluble Selenium (Se)	7782-49-2	500	5	N.D.	N.D.
	Co	onclusion			PASS	PASS

NO.	Substances Name	CAS NO.	Limit	Reporting Limit	Result (mg/kg)	
III notil	Oubstances Name	OAO NO.	(mg/kg)	(mg/kg)	004	005
1	Soluble Antimony (Sb)	7440-36-0	60	5	N.D.	N.D.
2	Soluble Arsenic (As)	7440-38-2	25	2.5	N.D.	N.D.
3	Soluble Barium (Ba)	7440-39-3	1000	5	N.D.	N.D.
4	Soluble Cadmium (Cd)	7440-43-9	75	5	N.D.	N.D.
5	Soluble Chromium (Cr)	7440-47-3	60	5	N.D.	N.D.
6	Soluble Lead (Pb)	7439-92-1	90	5	N.D.	N.D.
7	Soluble Mercury (Hg)	7439-97-6	60	5	N.D.	N.D.
8	Soluble Selenium (Se)	7782-49-2	500	5	N.D.	N.D.
V.	Co	onclusion			PASS	PASS





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NO.	Substances Name	CAS NO.	Limit	Reporting Limit	Result (mg/kg)	
NO.	Substances Name	CAS NO.	(mg/kg)	(mg/kg)	006	007
1	Soluble Antimony (Sb)	7440-36-0	60	5	N.D.	N.D.
2	Soluble Arsenic (As)	7440-38-2	25	2.5	N.D.	N.D.
3	Soluble Barium (Ba)	7440-39-3	1000	5	N.D.	N.D.
4	Soluble Cadmium (Cd)	7440-43-9	75	5	N.D.	N.D.
5	Soluble Chromium (Cr)	7440-47-3	60	5	N.D.	N.D.
6	Soluble Lead (Pb)	7439-92-1	90	5	N.D.	N.D.
7	Soluble Mercury (Hg)	7439-97-6	60	5	N.D.	N.D.
8	Soluble Selenium (Se)	7782-49-2	500	5	N.D.	N.D.
	C	onclusion			PASS	PASS

NO.	Substances Name	CAS NO.	Limit	Reporting Limit	Result (mg/kg)	
NO.	Substances Name	CAO NO.	(mg/kg)	(mg/kg)	008	009
1	Soluble Antimony (Sb)	7440-36-0	60	5	N.D.	N.D.
2	Soluble Arsenic (As)	7440-38-2	25	2.5	N.D.	N.D.
3	Soluble Barium (Ba)	7440-39-3	1000	5	N.D.	N.D.
4	Soluble Cadmium (Cd)	7440-43-9	75	5	N.D.	N.D.
5	Soluble Chromium (Cr)	7440-47-3	60	5	N.D.	N.D.
6	Soluble Lead (Pb)	7439-92-1	90	5	N.D.	N.D.
7	Soluble Mercury (Hg)	7439-97-6	60	5	N.D.	N.D.
8	Soluble Selenium (Se)	7782-49-2	500	5	N.D.	N.D.
	Co	onclusion			PASS	PASS

NO.	Substances Name	CAS NO.	Limit	Reporting Limit	Result (mg/kg)	
140.	Substances Name	CAO NO.	(mg/kg)	(mg/kg)	010	014
1 (Soluble Antimony (Sb)	7440-36-0	60	5	N.D.	N.D.
2	Soluble Arsenic (As)	7440-38-2	25	2.5	N.D.	N.D.
3	Soluble Barium (Ba)	7440-39-3	1000	5	N.D.	N.D.
4	Soluble Cadmium (Cd)	7440-43-9	75	5	N.D.	N.D.
5	Soluble Chromium (Cr)	7440-47-3	60	5	N.D.	N.D.
6	Soluble Lead (Pb)	7439-92-1	90	5	N.D.	N.D.
7	Soluble Mercury (Hg)	7439-97-6	60	5	N.D.	N.D.
8	Soluble Selenium (Se)	7782-49-2	500	5	N.D.	N.D.
	Co	nclusion			PASS	PASS





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NO.	Substances Name	CAS NO.	Limit	Reporting Limit	Result (mg/kg)	
140.	oubstances Name	OAO NO.	(mg/kg)	(mg/kg)	015	016
1	Soluble Antimony (Sb)	7440-36-0	60	5	N.D.	N.D.
2	Soluble Arsenic (As)	7440-38-2	25	2.5	N.D.	N.D.
3	Soluble Barium (Ba)	7440-39-3	1000	5	N.D.	N.D.
4	Soluble Cadmium (Cd)	7440-43-9	75	5	N.D.	N.D.
5	Soluble Chromium (Cr)	7440-47-3	60	5	N.D.	N.D.
6	Soluble Lead (Pb)	7439-92-1	90	5	N.D.	N.D.
7	Soluble Mercury (Hg)	7439-97-6	60	5	N.D.	N.D.
8	Soluble Selenium (Se)	7782-49-2	500	5	N.D.	N.D.
1	Co	nclusion			PASS	PASS

NO.	Substances Name	CAS NO.	Reporting Limit	Result (mg/kg)		
NO.	Substances Name	CAS NO.	(mg/kg)	(mg/kg)	017	018
1	Soluble Antimony (Sb)	7440-36-0	60	5	N.D.	N.D.
2	Soluble Arsenic (As)	7440-38-2	25	2.5	N.D.	N.D.
3	Soluble Barium (Ba)	7440-39-3	1000	5	N.D.	N.D.
4	Soluble Cadmium (Cd)	7440-43-9	75	5	N.D.	N.D.
5	Soluble Chromium (Cr)	7440-47-3	60	5	N.D.	N.D.
6	Soluble Lead (Pb)	7439-92-1	90	5	N.D.	N.D.
7	Soluble Mercury (Hg)	7439-97-6	60	5	N.D.	N.D.
8	Soluble Selenium (Se)	7782-49-2	500	5	N.D.	N.D.
	Co	nclusion			PASS	PASS

NO.	Substances Name	CAS NO.	Limit	-imit Reporting Limit	Result (mg/kg)	
140.	Substances Name	CAO NO.	(mg/kg)	(mg/kg)	019	023
1 (Soluble Antimony (Sb)	7440-36-0	60	5	N.D.	N.D.
2	Soluble Arsenic (As)	7440-38-2	25	2.5	N.D.	N.D.
3	Soluble Barium (Ba)	7440-39-3	1000	5	N.D.	N.D.
4	Soluble Cadmium (Cd)	7440-43-9	75	5	N.D.	N.D.
5	Soluble Chromium (Cr)	7440-47-3	60	5	N.D.	N.D.
6	Soluble Lead (Pb)	7439-92-1	90	5	N.D.	N.D.
7	Soluble Mercury (Hg)	7439-97-6	60	5	N.D.	N.D.
8	Soluble Selenium (Se)	7782-49-2	500	5	N.D.	N.D.
	Co	nclusion	•		PASS	PASS





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NO.	Substances Name	CAS NO.	Limit	Reporting Limit (mg/kg)	Result (mg/kg)	
140.			(mg/kg)		024	025
1	Soluble Antimony (Sb)	7440-36-0	60	5	N.D.	N.D.
2	Soluble Arsenic (As)	7440-38-2	25	2.5	N.D.	N.D.
3	Soluble Barium (Ba)	7440-39-3	1000	5	N.D.	N.D.
4	Soluble Cadmium (Cd)	7440-43-9	75	5	N.D.	N.D.
5	Soluble Chromium (Cr)	7440-47-3	60	5	N.D.	N.D.
6	Soluble Lead (Pb)	7439-92-1	90	5	N.D.	N.D.
7	Soluble Mercury (Hg)	7439-97-6	60	5	N.D.	N.D.
8	Soluble Selenium (Se)	7782-49-2	500	5	N.D.	N.D.
	Conclusion					PASS

NO	Substances Name	CAS NO.	Limit	Reporting Limit	Result (mg/kg) 027	
NO.			(mg/kg)	(mg/kg)		
1	Soluble Antimony (Sb)	7440-36-0	60	5	N.D.	
2	Soluble Arsenic (As)	7440-38-2	25	2.5	N.D.	
3	Soluble Barium (Ba)	7440-39-3	1000	5	14	
4	Soluble Cadmium (Cd)	7440-43-9	75	5	N.D.	
5	Soluble Chromium (Cr)	7440-47-3	60	5	N.D.	
6	Soluble Lead (Pb)	7439-92-1	90	5	N.D.	
7	Soluble Mercury (Hg)	7439-97-6	60	5	N.D.	
8	Soluble Selenium (Se)	7782-49-2	500	5	N.D.	
	Co	nclusion			PASS	

NOTE:

- 1. mg/kg = milligram per kilogram (ppm).
- 2. N.D. = Not Detected (Less than Reporting Limit).





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Test Result(s):

Soluble heavy metals - ASTM F963-17 Section 4.3.5.1 (Paint and Surface Coating)

OES).

NO.	Substances Name	CAS NO.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					002	011
10	Soluble Antimony (Sb)	7440-36-0	60	5	N.D.	N.D.
2	Soluble Arsenic (As)	7440-38-2	25	2.5	N.D.	N.D.
3	Soluble Barium (Ba)	7440-39-3	1000	5	N.D.	92
4	Soluble Cadmium (Cd)	7440-43-9	75	5	N.D.	N.D.
5	Soluble Chromium (Cr)	7440-47-3	60	5	N.D.	N.D.
6	Soluble Lead (Pb)	7439-92-1	90	5	N.D.	N.D.
7	Soluble Mercury (Hg)	7439-97-6	60	5	N.D.	N.D.
8	Soluble Selenium (Se)	7782-49-2	500	5	N.D.	N.D.
	Con	clusion			PASS	PASS

NO.	Substances Name	CAS NO.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
The state of					012	013
1	Soluble Antimony (Sb)	7440-36-0	60	5	N.D.	N.D.
2	Soluble Arsenic (As)	7440-38-2	25	2.5	N.D.	N.D.
3	Soluble Barium (Ba)	7440-39-3	1000	5	6	N.D.
4	Soluble Cadmium (Cd)	7440-43-9	75	5	N.D.	N.D.
5	Soluble Chromium (Cr)	7440-47-3	60	5	N.D.	N.D.
6	Soluble Lead (Pb)	7439-92-1	90	5	N.D.	N.D.
7	Soluble Mercury (Hg)	7439-97-6	60	5	N.D.	N.D.
8	Soluble Selenium (Se)	7782-49-2	500	5	N.D.	N.D.
	Con	clusion			PASS	PASS

NOTE: 1. mg/kg = milligram per kilogram (ppm).

2. N.D. = Not Detected (Less than Reporting Limit).





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Test Result(s):

Total Lead - ASTM F963-17 Section 4.3.5.1 (Paint and Surface Coating)

Material No.	Limit (mg/kg)	Result(mg/kg)	Conclusion
020	90	N.D.	PASS
021	90	N.D.	PASS
022	90	N.D.	PASS

NOTE:

- 1. mg/kg = milligram per kilogram (ppm).
- 2. N.D. = Not Detected (Less than Reporting Limit).
- 3. RL (Reporting Limit) = 10mg/kg.
- 4. The result(s) is(are) tested according to the method ASTM F2853-10e1.

Test Result(s):

Total Lead - ASTM F963-17 Section 4.3.5.1 (Paint and Surface Coating)

		200 17
Substances	Pb	Ya. Olin
CAS No.	7439-92-1	anolo
Reporting Limit (mg/kg)	10	Conclusion
Limit (mg/kg)	90	
Material No.	Result (mg/kg)	
011+012+013	N.D.	PASS

NOTE:

- 1. mg/kg = milligram per kilogram (ppm).
- 2. N.D. = Not Detected (Less than Reporting Limit).
- 3. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had been taken in account in the conclusion of this report.
- 4. The result(s) is(are) tested according to the method CPSC-CH-E1003-09.1(2011).





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Test Result(s):

Total Lead - ASTM F963-17 Section 4.3.5.2 (Metallic Material)

Substances	Pb	
CAS No.	7439-92-1	
Reporting Limit (mg/kg)	10	Conclusion
Limit (mg/kg)	100	
Material No.	Result (mg/kg)	
026	12	PASS

NOTE:

- 1. mg/kg = milligram per kilogram (ppm).
- 2. N.D. = Not Detected (Less than Reporting Limit).
- 3. The result(s) is(are) tested according to the method CPSC-CH-E1001-08.3(2012).

Test Result(s):

Total Lead - ASTM F963-17 Section 4.3.5.2 (Non-metallic Materials)

Substances	Pb	WILL 003
CAS No.	7439-92-1	action.
Reporting Limit (mg/kg)	10	Conclusion
Limit (mg/kg)	100	
Material No.	Result (mg/kg)	
001+025	N.D.	PASS
004+005+006	N.D.	PASS
007+008+009	N.D.	PASS
010+014+015	N.D.	PASS
016+017+018	N.D.	PASS
019+023+024	N.D.	PASS

NOTE:

- 1. mg/kg = milligram per kilogram (ppm).
- 2. N.D. = Not Detected (Less than Reporting Limit).
- 3. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had been taken in account in the conclusion of this report.
- 4. The result(s) is(are) tested according to the method CPSC-CH-E1002-08.3(2012).





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Test Material List

Material No.	Sample Description	Location	Remark
001	Brown/white paper with multicolor printing with transparent film	Board tiles	/
002	Multicolor paint	Digital card coating/disk coating/ card substrate(L/S)/instruction manual coating	/
003	White paper	Disk coating/card substrate(L/S)/ instruction manual coating	/
004	Red plastic	Ship/flag (red)	/
005	Yellow plastic	Ship/flag (yellow)	/
006	Purple plastic	Ship/flag (purple)	1
007	Green plastic	Ship/flag (green)	1 200
008	Brown plastic	Ship/flag (brown)	1
009	Black plastic	Ship/flag (black)	/
010	Beige yellow plastic	Yellow box	1
011	Red paint	Life pegs coating	/
012	Dark grey paint	Cannon pegs coating	/
013	Grey paint	Mast pegs coating	/
014	Light yellow plastic	Life pegs substrate/cannon pegs substrate	/
015	Pink plastic	Mast pegs substrate	/
016	Black plastic	Compass	/
017	Grey plastic	Grey dice substrate	/
018	Brown plastic	Brown dice substrate	/ 🐃
019	Red plastic	Red dice substrate	/
020	Red paint	Grey dice coating	<10mg
021	Yellow paint	Brown dice coating	<10mg
022	Black paint	Red dice coating	<10mg
023	Transparent plastic	Sealing bag (L/S)	/
024	Black plastic	Blister box	/
025	Grey/white paper with multicolor printing with transparent film	Outer	1
026	Silvery metal	Stitching needle	Non-small Par
027	Brown paper	Digital card coating	/
028	Plunder toy	Individual	/

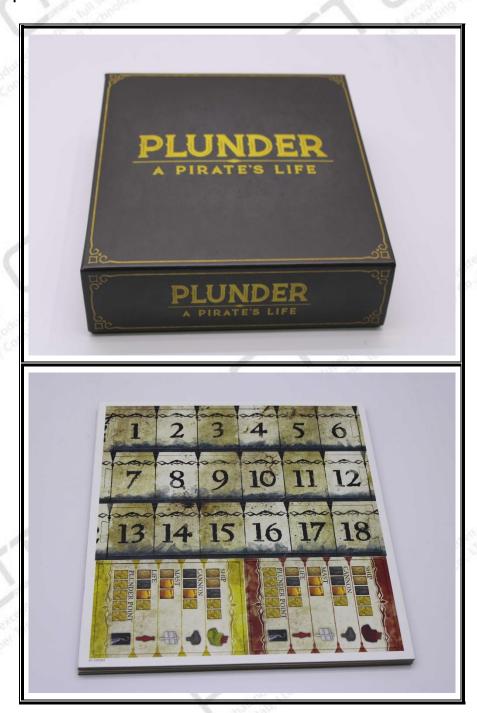
NOTE: 1. "<10 mg" = Since the sample weight of the component was less than 10 mg, according to the requirement of standard, soluble heavy metal analysis was not applicable.





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Photo of Sample:







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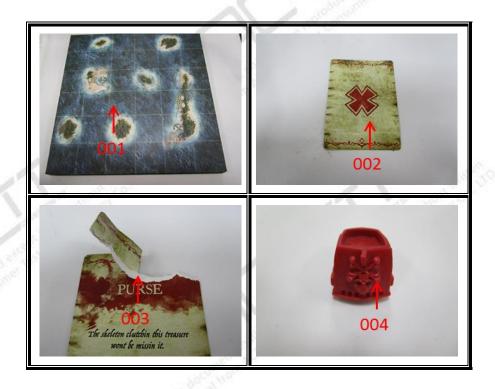




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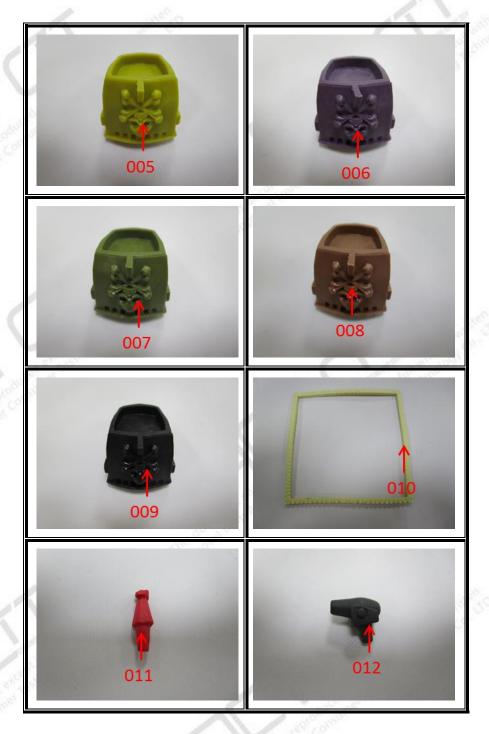
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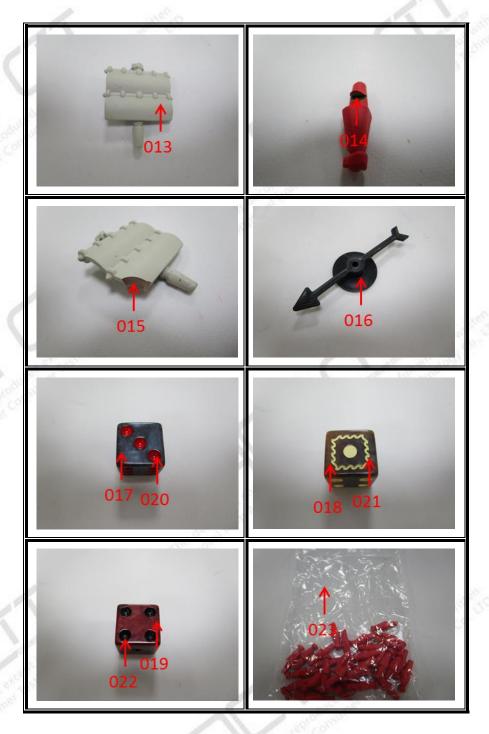
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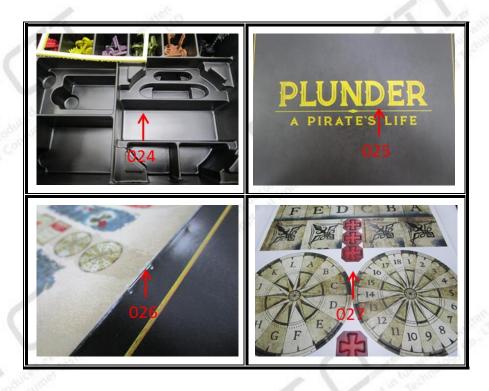
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End of Report