

Report No.: CTT10120563EN

Date: Dec. 23, 2010

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Client: John N. Hansen

Address:

The following merchandise was (were) submitted and identified by client as:

Sample Name: FLYING SPACEMAN  
Sample Model: 7709  
Sample Received Date: Dec. 07, 2010  
Completed Date: Dec. 23, 2010

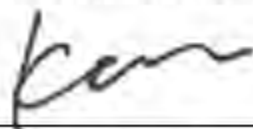
Test Method(s) and Equipment(s): Please refer to next page(s).

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

#### Conclusion:

1. The submitted sample(s) **MEETS** Physical and Mechanical Tests / Flammability Test of ASTM F963-08, "Standard consumer safety specification on toy safety".
2. The surface coating of the sample(s) **MEETS** Total Lead content requirement of ASTM F963-08, namely requirement of CPSC 16 CFR 1303.
3. The surface coating of the sample(s) **MEETS** Soluble Heavy Metals content requirements of ASTM F963-08E1, "Standard consumer safety specification on toy safety," Section 4.3.5.2.
4. The result of test on material/part assigned by applicant of the submitted sample **MEETS** requirements on Lead paint as stipulated in US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)].
5. The result of test on material/part assigned by applicant of the submitted sample **MEETS** requirements on Lead content of accessible substrate materials as stipulated in US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)].
6. The result of test on material/part assigned by applicant of the submitted sample **MEETS** requirements on Phthalates as stipulated in US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)].

Signed for and on Behalf of CTT



Guanglei Kan / Technical Director  
Consumer Testing Technology Co., Ltd.

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**Test Method(s) and Equipment(s):**

Test Item	Test Method(s)	Equipment(s)
Total Lead	CPSC 16 CFR 1303	ICP-OES/ AAS
Soluble Heavy Metals	ASTM F963-08	ICP-OES
Total Lead (Pb) - Paint	CPSC-CH-E1003-09	ICP-OES
Total Lead (Pb) - Substrate	CPSC-CH-E1001-08.1 CPSC-CH-E1002-08.1	ICP-OES/ AAS
Phthalates	CPSC-CH-C1001-09.3	GC-MS

**Test Result(s):**

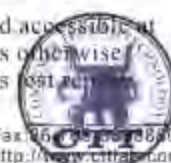
**Mechanical and Physical Test - ASTM F963-08**

As per ASTM standard consumer safety specification for toy safety F963-08

Applicant's specified age group for testing : over 3 years

Section	Testing Items	Assessment
4.1	Material quality (visual check on cleanliness)	PASS
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
4.6.3	Toys and games for 36 months to 72 months—Small part warning	NA
4.7	Accessible edges (under 8 years of age)	NA
4.8	Projections (under 8 years of age)	NA
4.9	Accessible points (under 8 years of age)	NA
4.10	Wires or rods	NA
4.11	Nails and fasteners	PASS
4.12	Packaging film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and overload requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires, and axles (aged 96 months or less)	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices	NA

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Section	Testing Items	Assessment
4.20	Pacifiers (under 36 months of age)	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys (under age of 18 months)	NA
4.25	Battery operated toys	PASS
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—safety labelling	NA
4.32	Certain toys with spherical ends	NA
4.33	Marbles (3 years of age or older)	NA
4.34	Balls	NA
4.35	Pompoms (under 3 years of age)	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
5	LABELLING REQUIREMENTS	PASS
6	INSTRUCTIONAL LITERATURE	PASS
7	PRODUCER'S MARKING	PASS

**Note :** NA = Not Applicable.

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**Test Result(s):**

**Flammability Test - ASTM F963-08**

As per section 4.2 of the ASTM standard consumer safety specification on toy safety F963-08.

Sample	Ignition point	Burn length (inch)	Time (sec)	Burn rate (inch/sec)	Limit (inch/sec)	Conclusion
FLYING SPACEMAN	EDGE	2.5	60	0.04	0.10	PASS

**Note :** 1. IBE = ignited but self-extinguished before burn-rate could be determined.

As the submitted samples are wholly(mainly) made of paper (unstuffed textile) material, the flammability test of material other than textile was not applicable to the submitted sample.

2. 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.

**Test Result(s):**

**Total Lead Content - CPSC 16 CFR 1303**

Material No.	Description	Location	Result (ppm)	Maximum Limit (ppm)	Conclusion
1	White paint	Hull coating	N.D.	90	PASS
2	Red paint	Hull coating	N.D.	90	PASS
3	Black paint	Hull coating	N.D.	90	PASS
43	Silvery paint	Hull coating	N.D.	90	PASS

**Note:** 1. ppm = part per million (mg/kg);

2. N.D. = Not Detected (< Report Limit );

3. Report Limit = 10ppm.



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**Soluble Heavy Metals Content - ASTM F963-08 E1**

Material No.	Description	Location
1	White paint	Hull coating
2	Red paint	Hull coating
3	Black paint	Hull coating
43	Silvery paint	Hull coating

Elements	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion	
Maximum Limit (ppm)	25	1000	75	60	60	90	60	500		
RL (ppm)	2.5	5	5	5	5	5	5	5		
Material No.	Result (ppm)								Conclusion	
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		PASS
2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		PASS
3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		PASS
43	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		PASS

- Note:**
1. ppm = part per million (mg/kg);
  2. RL = Report Limit;
  3. N.D. = Not Detected (< RL).

**Test Result(s): Total Lead (Pb)**

Material No.	Description	Location
1	White paint	Hull coating
2	Red paint	Hull coating
3	Black paint	Hull coating
4	Silvery/red paint	Hull coating
5	Transparent plastic	Led
6	Red plastic	Remote controller led
7	Black transparent plastic	Remote controller hull

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Material No.	Description	Location
8	Black transparent plastic	Remote controller button
9	Black transparent plastic	Remote controller around button
10	Silvery metal	Remote controller button lining
11	Black plastic	Remote controller switch
12	Silvery metal	Remote controller switch lining
13	Silvery metal	Screw
14	Silvery metal	Electron
15	Copper metal	Shrapnel
16	White plastic	Charger plug
17	Black plastic	Charger plug
18	Silvery metal	Charger plug
19	Black plastic	Charger tegument
20	Black plastic	Charger hull
21	Green plastic	Charger led
22	Black plastic	Charger switch
23	White paster with black printing	Qc label
24	Silvery metal	Charger screw
25	Silvery metal	Charger spring
26	Silvery metal	Charger shrapnel
27	Black plastic	Charger cell cover
28	Black plastic	Charger cell cover piece
29	Black plastic with glue	Sipl/parallel bar
30	Silvery metal	Parallel bar
31	Black plastic	Xale
32	Black plastic	Propeller
33	Silvery metal	Propeller small screw
34	White plastic	Spaceman hull
35	Silvery metal	Spaceman small screw
36	White foam with glue	Spaceman foot

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Material No.	Description	Location
37	Black plastic	Dynatron hull
38	Beige plastic	Charger port
39	Silvery metal	Charger port
40	Yellow plastic with green paint	Switch pbc
41	Black plastic	Spaceman switch
42	Beige plastic	Spaceman switch

Material No.	Test Item	Report Limit	Maximum Limit <sup>#</sup>	Result	Unit	Conclusion
1	Total Lead (Pb)-paint	10	90	N.D.	ppm	PASS
2	Total Lead (Pb)-paint	10	90	N.D.	ppm	PASS
3	Total Lead (Pb)-paint	10	90	N.D.	ppm	PASS
4	Total Lead (Pb)-paint	10	90	N.D.	ppm	PASS
5	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
6	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
7	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
8	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
9	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
10	Total Lead (Pb)-Substrate	10	300	44	ppm	PASS
11	Total Lead (Pb)-Substrate	10	300	12	ppm	PASS
12	Total Lead (Pb)-Substrate	10	300	71	ppm	PASS
13	Total Lead (Pb)-Substrate	10	300	17	ppm	PASS
14	Total Lead (Pb)-Substrate	10	300	34	ppm	PASS
*15	Total Lead (Pb)-Substrate	10	300	68	ppm	PASS
16	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
17	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
18	Total Lead (Pb)-Substrate	10	300	47	ppm	PASS
19	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
20	Total Lead (Pb)-Substrate	10	300	33	ppm	PASS
21	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS

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Material No.	Test Item	Report Limit	Maximum Limit #	Result	Unit	Conclusion
22	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
23	Total Lead (Pb)-Substrate	10	300	12	ppm	PASS
24	Total Lead (Pb)-Substrate	10	300	25	ppm	PASS
25	Total Lead (Pb)-Substrate	10	300	18	ppm	PASS
26	Total Lead (Pb)-Substrate	10	300	12	ppm	PASS
27	Total Lead (Pb)-Substrate	10	300	22	ppm	PASS
28	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
29	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
30	Total Lead (Pb)-Substrate	10	300	12	ppm	PASS
31	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
32	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
33	Total Lead (Pb)-Substrate	10	300	52	ppm	PASS
34	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
35	Total Lead (Pb)-Substrate	10	300	36	ppm	PASS
***36	Total Lead (Pb)-Substrate	10	300	12	ppm	PASS
37	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
38	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
39	Total Lead (Pb)-Substrate	10	300	34	ppm	PASS
**40	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
41	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS
42	Total Lead (Pb)-Substrate	10	300	N.D.	ppm	PASS

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- Note:**
1. ppm = part per million (mg/kg);
  2. N.D. = Not Detected.
  3. "\*\*\*\*" = The test sample is received on Dec. 17, 2010.
  4. "\*\*\*\*\*" = The test sample is received on Dec. 22, 2010.
  5. "#" = According to the provision of Consumer Product Safety Improvement Act of 2008 (CPSIA, Public Law 110-314), Sec.101 and CPSC 16 CFR 1303:
    - A. Before 08/14/2009, The lead content in paint and surface coatings applies to toys and other articles intended for use by children and furniture articles should not exceed 600ppm;
    - B. After 08/14/2009, The lead content in paint and surface coatings applies to toys and other articles intended for use by children and furniture articles should not exceed 90ppm;
    - C. From 02/10/2009 to 08/13/2009, The lead limit should not exceed 600ppm for any accessible part of children's products (12 years of age or younger);
    - D. From 08/14/2009 to 08/13/2011, The lead limit should not exceed 300ppm for any accessible part of children's products (12 years of age or younger);
    - E. From 08/14/2011, The lead limit should not exceed 100ppm for any accessible part of children's products (12 years of age or younger).

**Test Result(s): Phthalates**

Material No.	Description	Location
23	White paster with black printing	Label
40	Yellow plastic with green paint	Switch pbc
44	White paint + silvery/red paint	Hull coating
45	Red paint + black paint	Hull coating
46	Transparent plastic + red plastic+ black transparent plastic	Led+ remote controller led+ remote controller hull
47	Black transparent plastic + black plastic	Remote controller button+ remote controller around button + remote controller switch
48	White plastic + black plastic	Charger plug + charger tegument
49	Black plastic + green plastic	Charger hull + charger led+ charger switch
50	Black plastic	Charger cell cover + charger cell cover piece
51	Black plastic with glue + black plastic	Spl/parallel bar + xale + hinge
52	White plastic+ white foam with glue+ black plastic	Spaceman hull+ spaceman foot+ dynatron hull
53	Beige plastic+ yellow plastic with green paint	Charger port+ switch pbc
54	Black plastic+ beige plastic	Spaceman switch

Substances	DBP	BBP	DEHP	DNOP	DIDP	DINP	DNHP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	117-84-0	26761-40-0	28553-12-0	84-75-3	
Maximum Limit (ppm)	1000	1000	1000	1000	1000	1000	--	
RL (ppm)	30	30	30	30	50	50	30	
Material No.	Result (ppm)							
23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
**40	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
*44	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
*45	N.D.	N.D.	76	N.D.	N.D.	N.D.	N.D.	PASS
*46	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
*47	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
*48	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
*49	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
*50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
*51	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
*52	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
*53	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
*54	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

- Note:**
1. ppm = part per million (mg/kg);
  2. N.D. = Not Detected (< RL);
  3. RL = Report Limit;
  4. "\*" = The test sample is received on Dec. 17, 2010.
  5. "\*\*" = According to the client's requirement on the mixed test of sample, the result can not represent the content of any particular homogeneous material.

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**Remark:**

CTT Co., Ltd. is the US Consumer Product Safety Commission (CPSC) Accredited Third Party Testing Laboratory, Identification number is 1026. And shall refer to <http://www.cpsc.gov/cgi-bin/labapplist.aspx>.

**Photo of Sample:**



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