

TEST REPORT

<u>APPLICANT</u>	: JinJiang Nobel Star Toys Co., Ltd.
<u>ADDRESS</u>	: No. 3 of QuanYuan Road, WuLi District, JinJiang Economic Development Zone, JinJiang City, Fujian, China
<u>SAMPLE DESCRIPTION</u>	: TOY CAR (TRACTOR + TRAILER)、 TOY CAR (TRACTOR)、 TOY CAR (TRACTOR + LOADER)、 TOY CAR (TRACTOR + LOADER + TRAILER)、 Toy car (tractor+digger)、 Toy car (tractor+digger+trailer)、 TOY CAR (TRADTOR + DUMPER)、 TOY CAR (TRADTOR + DUMPER + TRAILER)、 Toy car (tractor+backhoe)、 Toy car (tractor+backhoe+trailer)、 Toy car (tractor+loader + backhoe)、 Toy car (pedal car, go kart, racing car)
<u>ITEM NO.</u>	: 1001、1002、1003、1005、5001、5002、5003、5005、 3001、3002、3003、3005 Red、3005 Yellow、3006、 3007、3008、2011、2015、2016、2022B、2026、2031、 2032、2033、2035、2036、2036E、2037、2050
<u>AGE REQUESTED ON APPLICATION FORM</u>	: 3+
<u>LABELED AGE GRADE</u>	: 3+
<u>AGE GRADE APPLIED IN TESTING</u>	: 3+
<u>SAMPLE RECEIVED DATE</u>	: 02-Sep-2021
<u>FURTHER INFORMATION DATE</u>	: 22-Sep-2021
<u>TURN AROUND TIME</u>	: 02-Sep-2021 to 22-Sep-2021

The following test item(s) was/were performed on selected sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Flammability of Toys	ASTM F963-17	Pass
Physical and Mechanical Hazards	ASTM F963-17	Pass
Heavy Metals	ASTM F963-17	Pass
Phthalates Content	US CPSIA, Section 108	Pass
Total Lead Content in Substrate	US CPSIA, Section 101	Pass
Total Lead Content in Paint / Surface Coating	US CPSIA, Section 101	Pass
Phthalates Content	CPSC 16 CFR part 1307	Pass

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

Signed for and on behalf of
Eurofins Product Testing Service (Shanghai) Co., Ltd



Joyce Liu
Lab Manager

Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to info.sh@eurofins.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to chinacomplaint@eurofins.com and referring to this report number.

SAMPLE PHOTO(S)


A 1001

B 1002

C 1003

D 1005

E 5001

F 5002

EFSH21082702-CG-03

SAMPLE PHOTO(S)


G 5003

H 5005

I 3001

J 3002

K 3003

L 3005

EFSH21082702-CG-03

TO BE CONTINUED

SAMPLE PHOTO(S)


M 3005

N 3006

O 3007

P 3008

Q 2011

R 2015

EFSH21082702-CG-03

TO BE CONTINUED

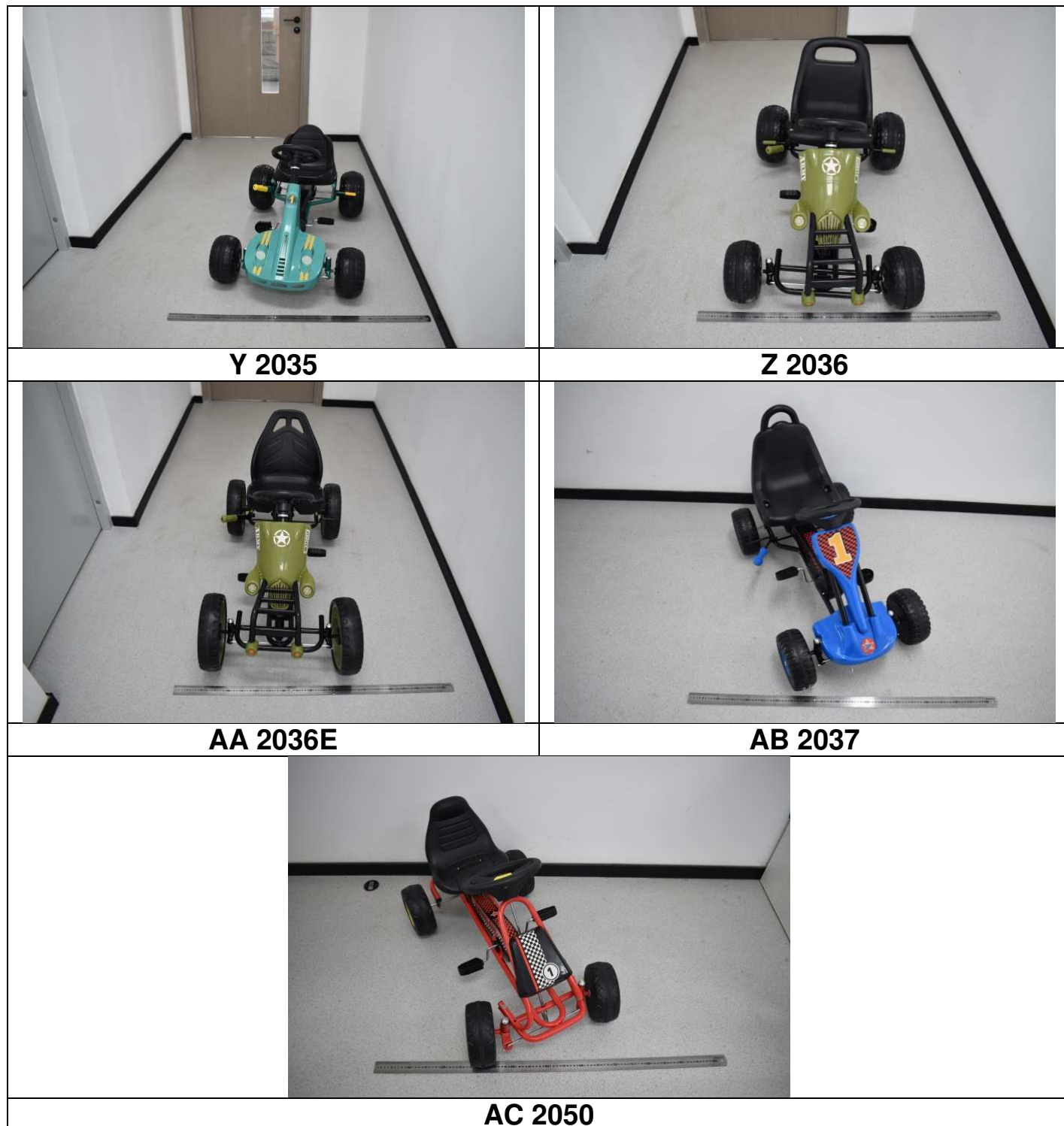
SAMPLE PHOTO(S)



EFSH21082702-CG-03

TO BE CONTINUED

SAMPLE PHOTO(S)



EFSH21082702-CG-03

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Quote From	Sample No.
1	Black coating on metal	EFSH21080570-CG-04	AA,AB,AC,Q,R,S,T,U,V,W,X,Y,Z
2	Lake green coating on metal	/	Y
3	Grey coating on metal	/	X
4	Green coating on metal	/	X
5	Orange yellow coating on metal	/	R,U
6	Red coating on metal	/	AC,R,S,U
7	Black plastic body	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
8	White plastic body	EFSH21080570-CG-04	Q,T,W
9	White plastic wheel	EFSH21080570-CG-04	A,B,C,D,E,F,G,H,M,T
10	Yellow plastic (digging handle)	EFSH21080570-CG-04	A
11	Black plastic (pedal)	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
12	Frosted red plastic (shovel)	EFSH21080570-CG-04	K,L,O,P
13	Black plastic steering wheel	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
14	Black plastic seat	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
15	Red plastic button	EFSH21080570-CG-04	A,B,C,D,E,F,G,H,I,J,K,L,N,O,P
16	Black plastic end cap	EFSH21080570-CG-04	AC,T,W,X,Z
17	Black plastic handle	EFSH21080570-CG-04	T
18	Yellow plastic handle	/	Q,Y
19	Yellow plastic end cap	/	Q,R,U,Y
20	Black plastic wheel	EFSH21080570-CG-04	A,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,U,W,X,Y,Z
21	Yellow plastic wheel	/	AC,I,J,K,L,N,O,P,Q,R,V,Y
22	Lake green plastic	/	Y
23	Lake green plastic (wheel)	/	Y
24	Dark green plastic	/	AA,Z
25	Dark green plastic (axle)	/	AA,Z
26	Dark green plastic handle	/	AA,Z
27	Yellow plastic	/	A,AA,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,U,W
28	Green plastic (wheel)	/	X
29	Green plastic	/	X
30	Green plastic (end cap)	/	X
31	Dark green plastic handle	/	X
32	Red plastic (body)	/	I,S,U
33	Light red plastic	/	S
34	Red plastic (wheel)	/	S
35	Red plastic (end cap)	/	S
36	Red plastic handle	/	S,U

TO BE CONTINUED

37	Light red plastic	/	AA
38	Blue plastic	/	AB
39	Blue plastic wheel	/	AB
40	Blue plastic handle	/	AB
41	Black soft plastic handle	EFSH21080570-CG-04	T
42	Black soft plastic (rocker)	EFSH21080570-CG-04	T
43	Black soft plastic wheel	/	T
44	Yellow soft plastic handle	/	Q,R,U,Y
45	Black soft plastic (tire strip)	EFSH21080570-CG-04	Q,R,U,W,X,Y,Z
46	Dark green soft plastic handle	/	AA,Z
47	Dark green soft plastic (rocker)	/	AA,Z
48	Dark green soft plastic handle	/	X
49	Dark green soft plastic (rocker)	/	X
50	Red soft plastic handle	/	S
51	Red soft plastic (rocker)	/	S
52	Black foam (wheel)	/	AA
53	Silver metal excluding coating (frame)	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
54	Silver metal rod (at pedal)	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
55	Bright silver metal screws	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
56	Silver metal screws	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
57	Silver metal nut	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
58	Silver metal gasket	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
59	Silver metal nut (at wheel)	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
60	Silver metal big nut (at the rear wheel)	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
61	Multi-color plated metal screws	EFSH21080570-CG-04	A,AA,AB,AC,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z

TO BE CONTINUED

TEST RESULT

Flammability of Toys

Test Request: As specified in ASTM F963-17, Section 4.2, testing procedure for materials other than textiles (excluding paper) used in toys is contained in Annex A5.

Sample	Limit	Result
A	0.1 inch/second	P
B	0.1 inch/second	P
C	0.1 inch/second	P
D	0.1 inch/second	P
E	0.1 inch/second	P
F	0.1 inch/second	P
G	0.1 inch/second	P
H	0.1 inch/second	P
I	0.1 inch/second	P
J	0.1 inch/second	P
K	0.1 inch/second	P
L	0.1 inch/second	P
M	0.1 inch/second	P
N	0.1 inch/second	P
O	0.1 inch/second	P
P	0.1 inch/second	P
Q	0.1 inch/second	P
R	0.1 inch/second	P
S	0.1 inch/second	P
T	0.1 inch/second	P
U	0.1 inch/second	P
V	0.1 inch/second	P
W	0.1 inch/second	P
X	0.1 inch/second	P
Y	0.1 inch/second	P
Z	0.1 inch/second	P
AA	0.1 inch/second	P
AB	0.1 inch/second	P
AC	0.1 inch/second	P

Remark:

P - Pass

TO BE CONTINUED

TEST RESULT

Physical and Mechanical Hazards

Test Request: As specified in Consumer Safety Specification ASTM F963-17

Section	Description	Result
4.1	Material Quality	P
4.3.7	Stuffing Materials	N/A
4.5	Sound-Producing Toys	N/A
4.6	Small Objects	N/A
4.6.1	Toys that are intended for children under 36 months of age	N/A
4.6.2	Mouth-Actuated Toys	N/A
4.6.3	Toys that are intended for children over 36 months but less than 72 months	N/A
4.7	Accessible Edges	P
4.8	Projections	N/A
4.8.1	Bath Toy Projections	N/A
4.9	Accessible Points	P
4.10	Wires or Rods	P
4.11	Nails and Fasteners	P
4.12	Plastic Film	N/A
4.13	Folding Mechanisms and Hinges	N/A
4.14	Cords, Straps and Elastics	N/A
4.15	Stability and Over-Load Requirements	P
4.16	Confined Spaces	N/A
4.17	Wheels, Tires, and Axles	P
4.18	Holes, Clearances, and Accessibility of Mechanisms	P
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 (exclude section 4.25.10 Battery-powered ride-on toys and section 4.25.11 Toys contain secondary cells or secondary batteries)	N/A
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
4.30	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 material	N/A
4.41	Toy Chests	N/A
5	Labeling Requirements	
5.2	Age Grading Labeling	P

TO BE CONTINUED

TEST RESULT

Section	Description	Result
5.3	Safety Labeling Requirements	P
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	P
5.9	Simulated Protective Devices	N/A
5.10	Toys with Functional Sharp Edges and Sharp Points	N/A
5.11	Small Objects, Small Balls, Marbles and Balloons (16 CFR 1500.19)	N/A
5.12	Toy Caps (16 CFR 1500.86 for Required Labeling)	N/A
5.13	Art Materials (16 CFR 1500.14(b)(8))	N/A
5.14	Electric Toys	N/A
5.15	Battery-Operated Toys	N/A
5.15.1	Battery-Powered Ride-On Toys	N/A
5.15.2	Button or Coin Cell Batteries	N/A
5.16	Promotional Materials	N/A
5.17	Magnets	N/A
6	Instructional Literature	
6.1	Definition and Description	P
6.2	Crib and Playpen Toys	N/A
6.3	Mobiles	N/A
6.4	Toys Intended to be Assembled by an Adult	P
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	Toy Chests	N/A
7	Producer's Markings	
7.1	Producer's or Distributor's Name and Address	P
7.2	Battery-Powered Ride-on Toys	N/A
7.3	Toy Chests	N/A

Remark:

P - Pass

NA - Not Applicable

TO BE CONTINUED

TEST RESULT

Heavy Metals

1) ASTM F963-17- Heavy Elements – Total Lead in Paint and Similar Surface-Coating Material (Clause 4.3.5.1(1))
Test Method: ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Tested Item(s)	Unit	Limit	MDL	Result				
				1	2	3	4	5
Total Lead in Paint	mg/kg	90	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				6				
Total Lead in Paint	mg/kg	90	10	ND				

2) ASTM F963-17- Heavy Elements – Total Lead in Substrate Material (Clause 4.3.5.2(2) (a))
Test Method: ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Tested Item(s)	Unit	Limit	MDL	Result			
				7	8	9	10
Total Lead in Substrate	mg/kg	100	10	22	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				11	12	13	14	15
Total Lead in Substrate	mg/kg	100	10	23	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				16	17	18	19	20
Total Lead in Substrate	mg/kg	100	10	17	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				21	22	23	24	25
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				26	27	28	29	30
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				31	32	33	34	35
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				36	37	38	39	40
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				41	42	43	44	45
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				46	47	48	49	50
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				51	52	53	54	55
Total Lead in Substrate	mg/kg	100	10	ND	12	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				56	57	58	59	60
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				61				
Total Lead in Substrate	mg/kg	100	10	ND				

3) ASTM F963-17- Heavy Elements – Soluble Migrated Elements Content in Surface Coatings and Substrates Other Than Modeling Clay (Clause 4.3.5.1(2) and 4.3.5.2(2)(b))

Test Method: ASTM International Standard ASTM F963-17, Section 8.3.2 to 8.3.5 (excluding 8.3.5.5(3))

Tested Item(s)	Unit	Limit	MDL	Result				
				1	2	3	4	5
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	113	193	35	12
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Soluble Mercury Hg	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				6	7	8	9	10
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	79	ND	ND	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Soluble Mercury Hg	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				11	12	13	14	15
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Soluble Mercury Hg	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				16	17	18	19	20
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Soluble Mercury Hg	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				21	22	23	24	25
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Soluble Mercury Hg	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				26	27	28	29	30
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Soluble Mercury Hg	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				31	32	33	34	35
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Soluble Mercury Hg	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				36	37	38	39	40
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Soluble Mercury Hg	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				41	42	43	44	45
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Soluble Mercury Hg	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				46	47	48	49	50
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Soluble Mercury Hg	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result	
				51	52
Soluble Antimony	mg/kg	60	5	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND
Soluble Mercury Hg	mg/kg	60	5	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND

Remark:

As per client's request, only the appointed materials have been tested.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

The analytical results were adjusted by subtracting analytical correction factor.

There is only between 10 and 100 mg of the material available, test that quantity and calculate the results as if 100

TO BE CONTINUED

TEST RESULT

mg of the sample had been available.

There is less than 10 mg of sample available, the test is not performed.

* On the initial analysis for soluble heavy metals content, any tested component of greater than the set limit, the result is inconclusive for the requirement and therefore were retested with soluble heavy metals analysis of ASTM F963-17, Sections 8.3.2 to 8.3.5 as specified in Section 8.3.1.3. The result herein is for reference only (show data), please refer to soluble heavy metals content analysis for the corresponding conclusive results.

TO BE CONTINUED

TEST RESULT

Phthalates Content

Test Request: Phthalates Content as specified in US Consumer Product Safety Improvement Act 2008 (CPSIA), Section 108

Test Method: CPSC-CH-C1001-09.4

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					1+2+3	4+5+6	7+8+9	10+11+12
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					13+14+15	16+17+18	19+20+21	22+23+24
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					25+26+27	28+29+30	31+32+33	34+35+36
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					37+38+39	40	41+42+43	44+45+46
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					47+48+49	50+51	52
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND

Remarks:

As per client's request, only the appointed materials have been tested.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

MDL = method detection limit ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Total Lead Content in Substrate

Test Request: Total lead in substrate as specified in US Consumer Product Safety Improvement Act 2008 (CPSIA), Section 101

Test Method: CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3
The sample was acid digested, and total lead content was determined by ICP-OES.

Tested Item(s)	Unit	Limit	MDL	Result			
				7	8	9	10
Total Lead in Substrate	mg/kg	100	10	22	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				11	12	13	14	15
Total Lead in Substrate	mg/kg	100	10	23	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				16	17	18	19	20
Total Lead in Substrate	mg/kg	100	10	17	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				21	22	23	24	25
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				26	27	28	29	30
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				31	32	33	34	35
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				36	37	38	39	40
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				41	42	43	44	45
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				46	47	48	49	50
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				51	52	53	54	55
Total Lead in Substrate	mg/kg	100	10	ND	12	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				56	57	58	59	60
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result
				61
Total Lead in Substrate	mg/kg	100	10	ND

Remark:

As per client's request, only the appointed materials have been tested.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Total Lead Content in Paint / Surface Coating

Test Request: Total lead in paint/ similar surface coatings as specified in US Consumer Product Safety Improvement Act 2008 (CPSIA), Section 101

Test Method: CPSC-CH-E1003-09.1
The sample was acid digested, and total lead content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result	
				1+2+3	4+5+6
Total Lead (Pb)	mg/kg	90	10	ND	ND

Remark:

As per client's request, only the appointed materials have been tested.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Phthalates Content

Test Request: Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates as specified in CPSC 16 CFR part 1307.

Test Method: CPSC-CH-C1001-09.4

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					1+2+3	4+5+6	7+8+9	10+11+12
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					13+14+15	16+17+18	19+20+21	22+23+24
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					25+26+27	28+29+30	31+32+33	34+35+36
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					37+38+39	40	41+42+43	44+45+46
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					47+48+49	50+51	52
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND

Remarks:

As per client's request, only the appointed materials have been tested.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

MDL = method detection limit

ND = Not detected, less than MDL

END OF THE REPORT