

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
Lead Content	SOR/2018-83, Consumer Products Containing Lead Regulations	Pass
Surface Coating Materials Regulations	SOR/2016-193, Surface Coating Materials Regulations	Pass
Mechanical and Physical Properties	SOR/2011-17 amended by SOR/2018-138	Pass
Phthalates Content	SOR/2016-188, Phthalate Regulations	Pass
Flammability of Toys	SOR/2011-17 amended by SOR/2018-138	Pass
Heavy Metals In Plastic Materials	SOR/2011-17 amended by SOR/2018-138	Not Applicable
Heavy Metals In Surface Coating	SOR/2011-17 amended by SOR/2018-138	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



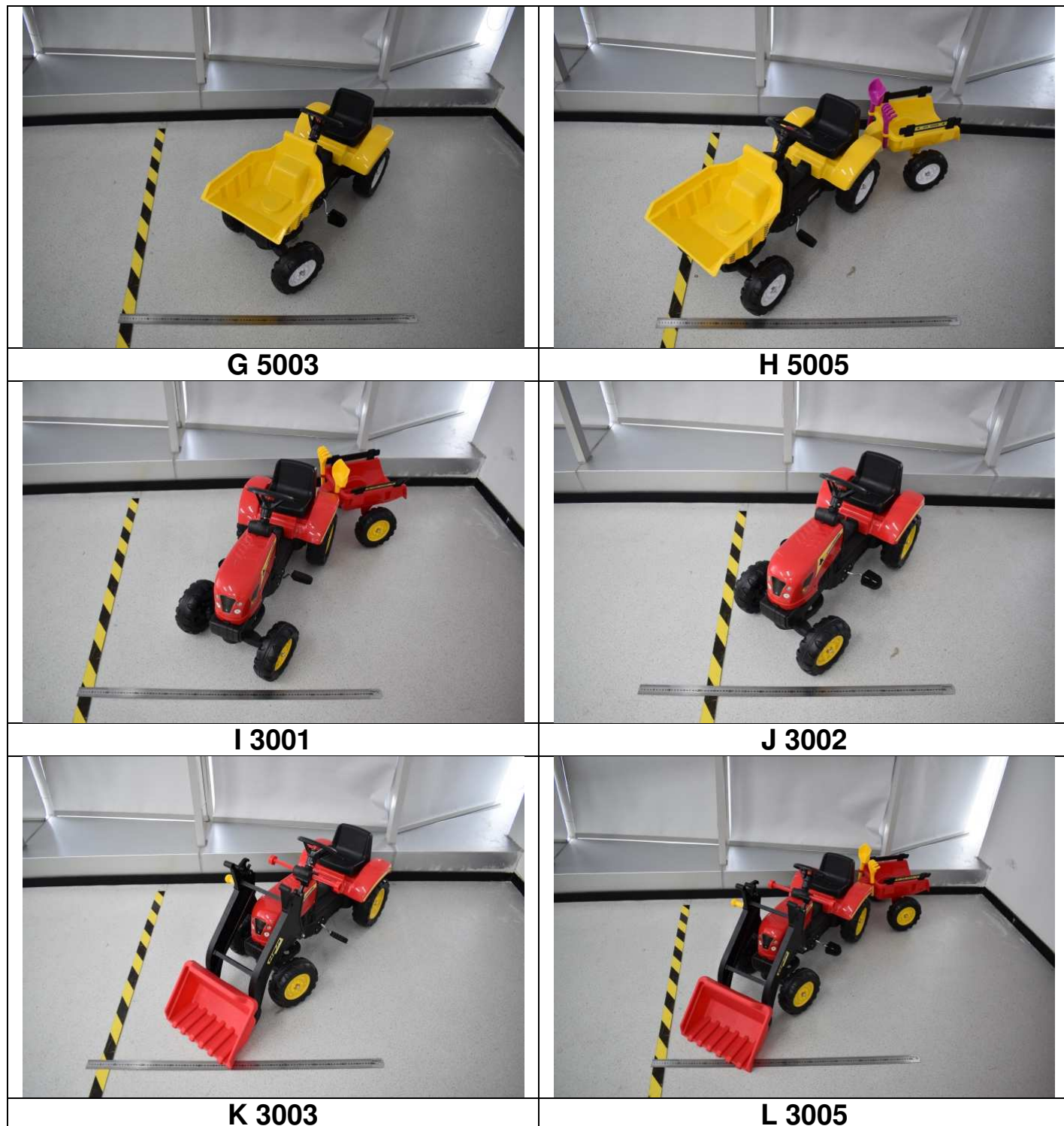
E 5001



F 5002

EFSH21082702-CG-04

SAMPLE PHOTO(S)



EFSH21082702-CG-04

TO BE CONTINUED

SAMPLE PHOTO(S)


M 3005

N 3006

O 3007

P 3008

Q 2011

R 2015

EFSH21082702-CG-04

TO BE CONTINUED

SAMPLE PHOTO(S)



EFSH21082702-CG-04

TO BE CONTINUED

SAMPLE PHOTO(S)



EFSH21082702-CG-04

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Quote From	Sample No.
1	Black coating on metal	EFSH21080570-CG-03	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	/	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	/	Q,T,W
9	White plastic wheel	/	A,B,C,D,E,F,G,H,M,T
10	Yellow plastic (digging handle)	/	A
11	Black plastic (pedal)	/	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)	/	K,L,O,P
13	Black plastic steering wheel	/	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	/	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	/	A,B,C,D,E,F,G,H,I,J,K,L,N,O,P
16	Black plastic end cap	/	AC,T,W,X,Z
17	Black plastic handle	/	T
18	Yellow plastic handle	/	Q,Y
19	Yellow plastic end cap	/	Q,R,U,Y
20	Black plastic wheel	/	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
37	Light red plastic	/	AA
38	Blue plastic	/	AB
39	Blue plastic wheel	/	AB
40	Blue plastic handle	/	AB
41	Black soft plastic handle	/	T

TO BE CONTINUED

42	Black soft plastic (rocker)	/	T
43	Black soft plastic wheel	/	T
44	Yellow soft plastic handle	/	Q,R,U,Y
45	Black soft plastic (tire strip)	/	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)	/	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)	/	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	/	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	/	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	/	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	/	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)	/	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)	/	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	/	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

Lead Content

Test Request: Lead content as specified in Canada Consumer Product Safety Act – Consumer Products Containing Lead Regulations, SOR/2018-83.

Test Method: With reference to Product Safety Laboratory, Reference Manual, Book 5 – Laboratory Policies and Procedures, Part B: Test Methods Section, Method C02.2.2-2020, Method C02.3.2-2021, Method C02.4.1-2019, Method C08-2014, analysis is performed by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				1+2+3	4+5+6	7+8+9	10+11+12
Total Lead Content	mg/kg	90	10	ND	ND	16	ND

Test Item(s)	Unit	Limit	MDL	Result			
				13+14+15	16+17+18	19+20+21	22+23+24
Total Lead Content	mg/kg	90	10	ND	24	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				25+26+27	28+29+30	31+32+33	34+35+36
Total Lead Content	mg/kg	90	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				37+38+39	40	41+42+43	44+45+46
Total Lead Content	mg/kg	90	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				47+48+49	50+51	52	53+54+55
Total Lead Content	mg/kg	90	10	ND	ND	12	11

Test Item(s)	Unit	Limit	MDL	Result		
				56+57+58	59+60	61
Total Lead Content	mg/kg	90	10	ND	ND	12

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

Exception:

Each accessible part may contain more than 90 mg/kg of lead if

- a) lead is necessary to produce an essential characteristic of the part;
- b) no alternative part containing less lead is available; and
- c) the part, when tested in accordance with good laboratory practices, does not release more than 90 mg/kg of lead.

TO BE CONTINUED

TEST RESULT

Surface Coating Materials Regulations

Test Request: Total lead and mercury in surface coatings as specified in Canada Consumer Product Safety Act, Surface Coating Materials Regulations, SOR/2016-193.

Test Method: With reference to Product Safety Laboratory, Reference Manual, Book 5 - Laboratory Policies and Procedures, Part B: Test Methods Section, Method C02.2.1-2018, Method C07.

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

Mechanical and Physical Properties

Test Request: As specified in the mechanical hazards requirements of the tested sections of Canada Consumer Product Safety Act, Toys Regulations, SOR/2011-17 amended by SOR/2018-138 and Schedule 2.

Section	Description	Result
	Packaging	
4	Flexible film bag	N/A
	Mechanical Hazards	
7	Small parts	N/A
8	Metal edges	P
9	Wire frames	N/A
10	Plastic edges	P
11	Wood	N/A
12	Glass	N/A
13	Fasteners	P
14	Safety stops or locking devices	N/A
15	Spring-wound driving mechanisms	N/A
16	Projectile components	N/A
17	Enclosures	N/A
18	Stability	N/A
	Auditory Hazards	
19	Decibel limit	P
	Thermal and Flammability Hazards	
20	Heated surfaces, parts or substances	N/A
	Specific Products	
28	Dolls, plush toys and soft toys - fastenings	N/A
29	Dolls, plush toys and soft toys - stuffing	N/A
30	Dolls, plush toys and soft toys - small parts	N/A
31	Dolls, plush toys and soft toys - eyes and noses	N/A
35	Plant seeds - noise	N/A
36	Plant seeds - stuffing material	N/A
37	Pull and push toys - shaft-like handles	N/A
38	Toys steam engines - boilers - safety valves	N/A
39	Finger paints - water-based paints	N/A
40	Rattles - construction	N/A
41	Elastics - length or extensibility	N/A
42	Yo-Yo type balls - stretchable cord	N/A
43	Magnetic Toys - Magnetic Force	N/A
44	Magnetic Toys - Exceptions	N/A
	Canada Consumer Product Safety Act, Schedule 2	
1	Jequirity Beans	P
8	Kites	N/A
9	Kite strings	N/A
14	Lawn, darts with elongated tips	N/A

Remark:

P - Pass

NA - Not Applicable

TO BE CONTINUED

TEST RESULT

Phthalates Content

Test Request: Phthalates Content as specified in Canada Consumer Product Safety Act - Phthalate Regulations, SOR/2016-188.

Test Method: EPA 3550C:2007, EPA 8270E:2018, solvent extraction and quantification by GC-MS.

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

Flammability of Toys

Test Request: As specified in the flammability requirements of the tested sections of Canada Consumer Product Safety Act, Toys Regulations, SOR/2011-17 amended by SOR/2018-138.

Section	Description	Result
21	Flammability of celluloid or cellulose nitrate	P
32	Flammability of outer covering on doll, plush toy and soft toy	N/A
33	Flammability of yarn on doll, plush toy and soft toy	N/A
34	Flammability of hair or mane on doll, plush toy and soft toy	N/A

Remark:

P - Pass

NA - Not Applicable

TO BE CONTINUED

TEST RESULT

Heavy Metals In Surface Coating

Test Request: Heavy Metals Content In Surface Coating as specified in Canada Consumer Product Safety Act - Toys Regulations, SOR/2011-17 amended by SOR/2018-138, Section 23

Test Method: Sample portion of surface coating was collected by mechanical method with surgical blade. Wet digestion with nitric acid for lead and mercury; migration of soluble elements of antimony, arsenic, barium, cadmium and selenium were performed in 5% hydrochloric acid after being stirred for 10 minutes at 20° C. All elements were analyzed by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				1	2	3	4
Total Lead	mg/kg	90	10	ND	ND	ND	ND
Total Mercury	mg/kg	See Note	1	ND	ND	ND	ND
Soluble Antimony	mg/kg	1000	5	ND	ND	ND	ND
Soluble Arsenic	mg/kg	1000	2.5	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND	ND	ND
Soluble Cadmium	mg/kg	1000	5	ND	ND	ND	ND
Soluble Selenium	mg/kg	1000	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result	
				5	6
Total Lead	mg/kg	90	10	ND	ND
Total Mercury	mg/kg	See Note	1	ND	ND
Soluble Antimony	mg/kg	1000	5	ND	ND
Soluble Arsenic	mg/kg	1000	2.5	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND
Soluble Cadmium	mg/kg	1000	5	ND	ND
Soluble Selenium	mg/kg	1000	10	ND	ND

Remark:

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

Note: Any compound of mercury introduced as such.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

END OF THE REPORT