

TEST REPORT

APPLICANT : JinJiang Nobel Star Toys Co., Ltd.

ADDRESS : No. 3 of QuanYuan Road, WuLi District, JinJiang Economic Development Zone, JinJiang City, Fujian, China

SAMPLE DESCRIPTION : Toy car (tractor+loader + backhoe+trailer)、
Toy car (pedal car, go kart, racing car)、
Toy car (pedal car, go kart, racing car)

ITEM NO. : 3009、2022、2025

AGE REQUESTED ON APPLICATION FORM : 3+

LABELED AGE GRADE : 3+

AGE GRADE APPLIED IN TESTING : 3+

SAMPLE RECEIVED DATE : 09-Aug-2021

TURN AROUND TIME : 09-Aug-2021 to 13-Aug-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
Mechanical and Physical Properties	SOR/2011-17 amended by SOR/2018-138	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
Phthalates Content	SOR/2016-188, Phthalate Regulations	Pass
Lead Content	SOR/2018-83, Consumer Products Containing Lead Regulations	Pass
Total Lead and Mercury in Surface Coating	SOR/2016-193, Surface Coating Materials Regulations	Pass

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.

***** 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

SAMPLE PHOTO(S)



EFSH21080570-CG-03

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	Black coating on metal	A,B
2	Grey blue coating on metal	C
3	Black plastic body	A
4	Red plastic body	A
5	White plastic body	B
6	Light blue plastic body	C
7	Yellow plastic wheel	A
8	White plastic wheel	B
9	Orange plastic wheel	C
10	Black plastic wheel	A,B,C
11	Yellow plastic (digging handle)	A
12	Bright black plastic	A,B,C
13	Black plastic (pedal)	A,B,C
14	Frosted red plastic (shovel)	A
15	Black plastic steering wheel	A,B,C
16	Black plastic seat	A,B,C
17	Red plastic button	A
18	Black plastic end cap	B
19	Orange plastic end cap	C
20	Black plastic handle	B
21	Orange plastic handle	C
22	Black soft plastic handle	B
23	Orange soft plastic handle	C
24	Black soft plastic (rocker)	B
25	Orange soft plastic (rocker)	C
26	Black soft plastic (tire strip)	B,C
27	Silver metal excluding coating (frame)	A,B,C
28	Silver metal rod (at pedal)	A,B,C
29	Bright silver metal screws	A,B,C
30	Silver metal screws	A,B,C
31	Silver metal nut	A,B,C
32	Silver metal gasket	A,B,C
33	Silver metal nut (at wheel)	A,B,C
34	Silver metal big nut (at the rear wheel)	B,C
35	Multi-color plated metal screws	A,B,C

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	P
	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

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
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:

Note: Any compound of mercury introduced as such.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

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
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			
					12+13+14	15+16+17	18+19	20+21
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	
					22+23	24+25+26
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	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

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 C02.2-2017, Method C02.3-2017, Method C02.4-2017, 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
Total Lead	mg/kg	90	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				12+13+14	15+16+17	18+19	20+21
Total Lead	mg/kg	90	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				22+23	24+25+26	27+28+29	30+31+32
Total Lead	mg/kg	90	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result	
				33+34	35
Total Lead	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

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

Total Lead and Mercury in Surface Coating

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 Canada Health Product Safety Bureau, Reference Manual Book 5 - Laboratory Policies and Procedures, Part B: Test Methods Section, Method C02.2-2017, C07-2017

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

Remark:

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

END OF THE REPORT