

TEST REPORT

APPLICANT

: JinJiang Nobel Star Toys Co., Ltd.

ADDRESS

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

SAMPLE DESCRIPTION: Toy car (tractor+digger),
Toy car (tractor+digger+trailer),
TOY CAR (TRADTOR + DUMPER),
TOY CAR (TRADTOR + DUMPER + TRAILER),
TOY CAR (TRACTOR + TRAILER),
TOY CAR (TRACTOR),
TOY CAR (TRACTOR + LOADER),
TOY CAR (TRACTOR + LOADER + TRAILER),
Toy car (tractor+backhoe),
Toy car (tractor+backhoe+trailer),
Toy car (tractor+loader + backhoe),
Toy car (tractor+loader + backhoe+trailer)**ITEM NO.**: 5001,
5002,
5003,
5005,
3001 RED、 3001 GREEN、 3001 YELLOW、
3002 RED、 3002 GREEN、 3002 YELLOW、
3003 RED、 3003 GREEN、 3003 YELLOW、
3005 RED、 3005 GREEN、 3005 YELLOW、
3006 RED、 3006 GREEN、 3006 YELLOW、
3007 RED、 3007 GREEN、 3007 YELLOW、
3008 RED、 3008 GREEN、 3008 YELLOW、
3009 RED、 3009 GREEN、 3009 YELLOW**AGE REQUESTED ON APPLICATION FORM** : 3+**LABELED AGE GRADE** : 3+**AGE GRADE APPLIED IN TESTING** : Over 3 Years**LAB RECOMMENDED AGE GRADE** : Over 3 Years

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 RECEIVED DATE : 13-Oct-2023
FURTHER INFORMATION DATE : 02-Nov-2023
TURN AROUND TIME : 13-Oct-2023 to 02-Nov-2023

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

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Heavy Metals in Surface Coating	SOR/2011-17 amended by SOR/2018-138	Pass
Total Lead Content in Metal	SOR/2018-83, Consumer Products Containing Lead Regulations	Pass
Total Lead Content in Coating	SOR/2018-83, Consumer Products Containing Lead Regulations	Pass
Total Lead Content in Plastic	SOR/2018-83, Consumer Products Containing Lead Regulations	Pass
Heavy Metals in Plastic Materials	SOR/2011-17 amended by SOR/2018-138	Not Applicable
Phthalate Regulations	SOR/2016-188	Pass
Surface Coating Materials Regulations	SOR/2016-193	Pass
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

***** 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
Operation Director



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SAMPLE PHOTO(S)

	
A-5001	B-5002
	
C-5003	D-5005
	
E-3001 RED	F-3001 GREEN

EFSH23100450-CG-04

TO BE CONTINUED

SAMPLE PHOTO(S)


G-3001 YELLOW

H-3002 RED

I-3002 GREEN

J-3002 YELLOW

K-3003 RED

L-3003 GREEN

EFSH23100450-CG-04

TO BE CONTINUED

SAMPLE PHOTO(S)



M-3003 YELLOW



N-3005 RED



O-3005 GREEN



P-3005 YELLOW



Q-3006 RED



R-3006 GREEN

EFSH23100450-CG-04

TO BE CONTINUED

SAMPLE PHOTO(S)



S-3006 YELLOW



T-3007 RED



U-3007 GREEN



V-3007 YELLOW



W-3008 RED



X-3008 GREEN

EF SH23100450-CG-04

TO BE CONTINUED

SAMPLE PHOTO(S)

	
Y-3008 YELLOW	Z-3009 RED
	
AA-3009 GREEN	AB-3009 YELLOW

EFSH23100450-CG-04

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	White paper with multi-color coating (instruction)	A,AA,AB,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
2	White paper sticker with black/red coating (car seat)	A,AA,AB,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
3	Black coating on metal (black long rod)	AA,AB,K,L,M,N,O,P,W,X,Y,Z
4	White paper sticker with transparent plastic film and underlying multi-color coating	A,AA,AB,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
5	Red plastic (car shovel)	L,O,W,Z
6	Red plastic (large body)	F,J,L,O,R,T,V,W
7	Black plastic (steering wheel)	A,AA,AB,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 (wheels)	A,AA,AB,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
9	Deep red plastic (steering wheel)	A,AA,AB,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
10	Black plastic (large body)	A,AA,AB,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
11	Black plastic (wheels)	A,AA,AB,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	Black plastic (foot pedal)	A,AA,AB,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
13	Black plastic (car seat)	A,AA,AB,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	Yellow plastic (body)	A,AA,AB,B,C,D,E,H,K,P,Q,R,S,T,U,V,W,X,Y,Z
15	Red plastic (small shovel)	AB,B,D,E,P,V,W
16	Black plastic (railing)	AA,AB,B,D,E,F,N,O,P,T,U,V,Z
17	Yellow plastic (small shovel)	AA,F,G,J,L,M,N,O,R,T,U,X,Y,Z
18	Green plastic (body)	AA,G,I,M,N,S,U,X
19	Green plastic (car shovel)	AA,M,N,X
20	Yellow plastic (shovel)	AB,K,P,Y
21	Silver metal (foot pedal)	A,AA,AB,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
22	Silver metal (large wheel screws)	A,AA,AB,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
23	Silver metal (screw)	A,AA,AB,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
24	Silver metal (nut)	A,AA,AB,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
25	Silver metal (long rod)	A,AA,AB,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
26	Gold plated metal (steering wheel fixed long screw)	A,AA,AB,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
27	Silver metal (gasket)	A,AA,AB,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
28	Silver metal removal coating (black long rod)	AA,AB,K,L,M,N,O,P,W,X,Y,Z

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: 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 C07-2017 modified, Method C03-2022

Test Item(s)	Unit	Limit	MDL	Result		
				1	2	3
Total Lead	mg/kg	90	10	ND	ND	ND
Total Mercury	mg/kg	See Note	1	ND	ND	ND
Soluble Arsenic	mg/kg	1000	2.5	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND	238
Soluble Antimony	mg/kg	1000	5	ND	ND	ND
Soluble Cadmium	mg/kg	1000	5	ND	ND	ND
Soluble Selenium	mg/kg	1000	10	ND	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

Total Lead Content in Metal

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 C02.4.1-2019, analysis is performed by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				21+22+23	24+25	26	27+28
Lead (Pb)	mg/kg	90	10	ND	ND	ND	ND

Remark:

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

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.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Total Lead Content in Coating

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, analysis is performed by ICP-OES.

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

Remark:

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.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Total Lead Content in Plastic

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 C02.3.2-2021, analysis is performed by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result		
				5+6+7	8+9+10	11+12+13
Total Lead	mg/kg	90	10	ND	ND	ND

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

Remark:

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

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.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Phthalate Regulations

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

Test Method: With reference to Product Safety Laboratory, Reference Manual, Book 5 – Laboratory Policies and Procedures, Part B: Test Methods Section, Method C34.2-2018, analysis is performed by GC-MS.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					1	2	3	4
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-butyl phthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzyl butyl phthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					5+6+7	8+9+10	11+12+13	14+15+16
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-butyl phthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzyl butyl phthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result	
					17+18+19	20
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND
Di-n-butyl phthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND
Benzyl butyl phthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND

Remarks:

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

DEHP, DBP and BBP are restricted for the vinyl in a toy or child care article.

DINP, DIDP and DNOP are restricted for the vinyl in any part of a toy or child care article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years of age.

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
Lead (Pb)	mg/kg	90	10	ND	ND	ND
Total Mercury	mg/kg	10	1	ND	ND	ND

Remark:

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, F - Fail, N/A - Not Applicable, N/C - Not Conduct as per client's request

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, F – Fail, N/A – Not Applicable, N/C – Not Conduct as per client's request

END OF THE REPORT