

TEST REPORT

<u>APPLICANT</u>	: NINGBO ESSAY OUTDOOR AND LEISURE CO., LTD
<u>ADDRESS</u>	: NO.,433, SONGPU Rd, Binhai Economic Development Zone, CIXI CITY, CHINA
<u>SAMPLE DESCRIPTION</u>	: Bicycle kids trailer and stroller
<u>ITEM NO.</u>	: 440-001GN, 440-001RD, 440-001VT, 440-001YL, 440-005, 440-013, 441-029, 61-0003, 61-0004, 442-068, 5664- 0101RB, 5664-0101BW, 5664-0101BG, 5664-0086RB, 5664- 0086BW, 5664-0086YB, 5664-1098, 5664-1099, 442-035, 443-024, 5664-0034NEW, 5664-0036NEW, 5664-0079NEW, TS-1, TS-2
<u>COUNTRY OF ORIGIN</u>	: China
<u>AGE REQUESTED ON APPLICATION FORM</u>	: 18m+
<u>LABELED AGE GRADE</u>	: Not Present
<u>AGE GRADE APPLIED IN TESTING</u>	: Over 18 Months
<u>SAMPLE RECEIVED DATE</u>	: 22-Feb-2022
<u>FURTHER INFORMATION DATE</u>	: 11-Apr-2022
<u>TURN AROUND TIME</u>	: 22-Feb-2022 to 11-Apr-2022
<u>REVISED DATE</u>	: 09-May-2022

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
Phthalate Regulations	SOR/2016-188	Pass
Lead Content	SOR/2018-83, Consumer Products Containing Lead Regulations	Pass
Surface Coating Materials Regulations	SOR/2016-193	Pass
Heavy Metals In Plastic Materials	SOR/2011-17 amended by SOR/2018-138	Pass
Heavy Metals In Surface Coating	SOR/2011-17 amended by SOR/2018-138	Pass

Note : This report cancels and supersedes report number EFSH22020830-CG-01 issued on Apr 11th, 2022.
Modification description: as per client's request, revise item No. in the revised report.

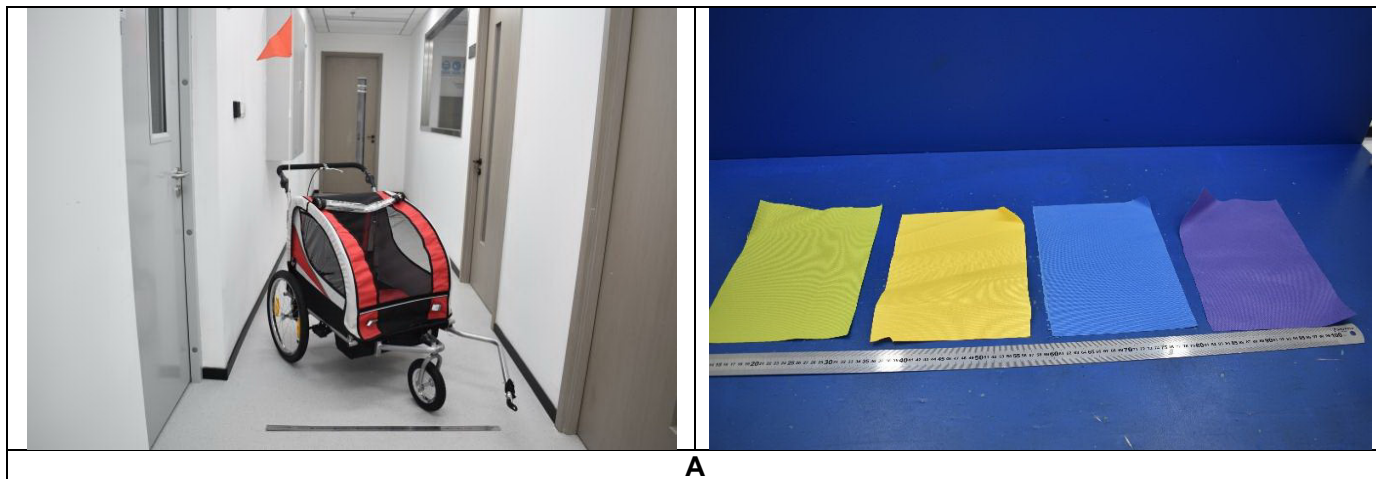
Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this 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

TEST SAMPLE PHOTO(S)**A****EFSH22020830-CG-01+Rev 1**

TO BE CONTINUED

REFERENCE SAMPLE PHOTO(S)

The reference sample(s) has not been tested in current report, but according to customer's request, the picture has also been included. For sample tested in current report, please refer to "Test sample photo".

TO BE CONTINUED

REFERENCE SAMPLE PHOTO(S)



The reference sample(s) has not been tested in current report, but according to customer's request, the picture has also been included. For sample tested in current report, please refer to "Test sample photo".

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	Red fabric with white coating	A
2	White fabric with multi-color coating	A
3	Black coating on metal	A
4	Grey coating on metal	A
5	Black soft plastic (tire)	A
6	Black soft plastic wire jacket	A
7	Black elastic rubber of black elastic band -	A
8	Transparent soft plastic	A
9	Transparent orange plastic	A
10	Beige white plastic	A
11	Orange red plastic	A
12	White plastic	A
13	Red plastic	A
14	Transparent red plastic	A
15	Black plastic Velcro hook	A
16	Transparent white plastic	A
17	Black foam	A
18	White foam (inside)	A
19	Brown MDF wood (inside)	A
20	Gold plated metal (air valve)	A
21	Light yellow plated metal (axle)	A
22	Bright silver metal	A
23	Silver metal	A
24	Blue silver metal (screw)	A
25	Silver grey metal	A
26	Silver metal excluding coating (body)	A
27	Silver metal (wire)	A
28	Bright grey silver metal lobster clasp	A

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	P
8	Metal edges	P
9	Wire frames	P
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	P
18	Stability	N/A
	Auditory Hazards	
19	Decibel limit	N/A
	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, N/A - 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, N/A – Not Applicable

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	5+6+7
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			
					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
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	0.1	0.005	ND
Di-n-butyl phthalate (DBP)	84-74-2	%	0.1	0.005	ND
Benzyl butyl phthalate (BBP)	85-68-7	%	0.1	0.005	ND
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	0.1	0.005	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.1	0.005	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

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
Total Lead Content	mg/kg	90	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				8	9+10+11	12+13	14+15+16
Total Lead Content	mg/kg	90	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				17+18	19	21	22+23+24
Total Lead Content	mg/kg	90	10	ND	ND	11	ND

Test Item(s)	Unit	Limit	MDL	Result	
				25+26+27	28
Total Lead Content	mg/kg	90	10	ND	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

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

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

TO BE CONTINUED

TEST RESULT

Heavy Metals In Plastic Materials

Test Request: Heavy Metals Content In Plastic Materials as specified in Canada Consumer Product Safety Act - Toys Regulations, SOR/2011-17 amended by SOR/2018-138, Section 27(b)

Test Method: 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			
				5	6	7	8
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			
				9	10	11	12
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			
				13	14	15	16
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

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

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	519
Soluble Cadmium	mg/kg	1000	5	ND	ND	ND	ND
Soluble Selenium	mg/kg	1000	10	ND	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

END OF THE REPORT