CPSC Accredited Testing Laboratory Identification number: 1221

Test Report

Date : 2023-11-07
No. : SP23100162

Applicant : Xingtai Chilu Children's Toy Co.,Ltd
Hegumiao Town,Pingxiang County,Xingtai City,Hebei,china

Attn: Sun yanhui

Description of Samples : One (1) group of submitted samples said to be:
CHILDREN'S ELECTRIC VEHICLES
STYLE NO.: MQ-150, CL-903, YW-U8
COLOR: MQ-150, GRAY/WHITE/RED CL-903, BLUE/PINK/RED YW-U8 WHITE/GRAY/PINK/BLUE
COMPOSITION: POLYPROPYLENE
COUNTRY OF ORIGIN:CHINA
COUNTRY OF DESTINATION: AMERICAN
AGE GRADING FOR TESTING: THIRTY-SEVEN MONTHS--NINETY-SIXMONTHS

Date Samples Received : 2023-10-23, 2023-11-06

Date Tested : 2023-10-23 to 2023-11-07

Requirements	Conclusion
1. ASTM Standard Consumer Safety Specification For Toy Safety F 963-17 - physical and mechanical test - flammability test - heavy metal test - battery operated toy test	Pass
2. US Consumer Product Safety Improvement Act - Total Lead content in paint and surface coating in accordance with Sec. 101 (f) and 16 CFR 1303. - Total Lead content in substrate in accordance with Sec. 101(a). - Phthalates content in accordance with Sec 108 and 16 CFR 1307.	Pass
3. The Total Lead content requirements according to the California Proposition 65	Pass
4.The BBP, DBP, DEHP, DnHP, DINP and DIDP content requirements according to the California Proposition 65.	Pass
5.The Total Lead content requirements according to Illinois Public Act 095-1019	Pass
6.The Phthalates content requirements according to California Assembly Bill NO.1108	Pass
7. San Francisco Health Code - Phthalates content in accordance with Article 34, sec 34.2	Pass

CHEN Lufeng, James
Authorized Signatory

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

Item No.	Component Description
Coating materials:	
1	coating on wheel: silver
2	coating on metal:black
Plastic materials:	
3	substrate on wheel: white
4	vehicles body:sappire
5	vehicles body: rose red
6	vehicles body:red
7	vehicles body:pink
8	vehicles body:blue grey
9	vehicles body:yellow
10	vehicles body:baby blue
11	vehicles body:grey
12	vehicles body:black
13	vehicles body:white
14	wind screen: black
15	vehicles light: transparent red
16	vehicles light: transparent
17	vehicles light: transparent white
18	spring: red
19	plastic(bandage): white
20	wire: blue
21	plastic(square):white
22	plastic tube: black
Metal materials:	
23	screw(big):silver *3
24	screw(small):silver *3
25	metal substrate (long):silver *3
26	metal(long):silver *3
27	gasket: silver *3
28	metal (round axle): silver*3
Others materials:	
29	cortex: black with white words
30	plastic:transparent red with white print
31	instrument panel: black with silver
32	edge of cortex: black plastic with silver coating

Test Results:

1. ASTM Standard Consumer Safety Specification for Toy Safety F 963-17

AGE GRADING:

The sample was appropriately age graded with the marking of "37-96M".

AGE GRADING FOR TESTING:

37-96M.

1.1 Mechanical and physical hazards of the submitted sample

Ref.: ASTM F 963-17
Applicable requirements before and after use and abuse testing:

Applicable Section	Description	Result
4	Safety requirements	----
4.1	Material Quality	Pass
4.2	Flammability	Pass*[1]
4.5	Sound-Producing Toys	Pass
4.6	Small Objects	Pass
4.7	Accessible Edges	Pass
4.8	Projections	Pass
4.9	Accessible Points	Pass
4.11	Nails and Fasteners	Pass
4.15	Stability and Over-Load Requirements	Pass
4.17	Wheels, Tires, and Axles	Pass
4.18	Holes, clearance and Accessibility of Mechanisms	Pass
4.25	Battery Operated Toys	Pass*[2] #
5	Labeling Requirements	----
5.2	Age grading labeling	Pass
5.8	Toys Intended to be Assembled by an Adult	Pass
5.16	Promotional Materials	Pass
6	Instructional Literature	----
6.1	Definition and Description	Pass
6.4	Toys intended to be Assembled by an Adult.	Pass
6.6	Battery Powered Ride-on Toys	Pass
7	Producer's Markings	----
7.1	Producer's Name and Address	Pass
7.2	Battery-Powered Ride-on Toys	Pass

*[1]=Please refer to section 1.2 of this report for details.
*[2]=Please refer to section 1.4 of this report for details.
#=Clause 4.25.10 and 4.25.11 of ASTM F 963-17 are not accredited by CNAS.

Test Results:

Use and abuse testing:

Applicable Section	Description	Test Condition
8.5	Normal Use Testing	
8.6	Abuse Testing	
8.7	Drop Tests	Tip over
8.8	Torque Tests	4 in-lbs or ±180°
8.9	Tension Tests	15 lbs.
8.10	Compression Tests	30 lbs.

1.2 Flammability test for solids and soft toys
Ref.: ASTM F963-17 Section 4.2
Method used: FHSA 16CFR 1500.44
Result: Pass

Sample	Burn rate (in/sec.)
MQ-150	DNI
CL-903,	DNI
YW-U8	DNI

DNI = Did not ignite
Note: In accordance with the FHSA, the burn rate should not be greater than 0.1 in. per second.

1.3 Heavy metal test
Ref.: ASTM F963-17 Section 4.3.5
Method: ASTM F963-17 Section 8.3
Determined by: Inductively Coupled Plasma-Optical Emission Spectrometer

4.3.5.1 Paint and similar surface-coating

Total lead test

Sample	Result	Limit
1+2	<10ppm	90ppm

Soluble metals test

	1	2	Limit
Soluble lead	<5ppm	<5ppm	90ppm
Soluble cadmium	<5ppm	<5ppm	75ppm
Soluble chromium	<5ppm	8ppm	60ppm
Soluble barium	<5ppm	15ppm	1000ppm
Soluble antimony	<5ppm	<5ppm	60ppm
Soluble arsenic	<2ppm	<2ppm	25ppm
Soluble mercury	<5ppm	<5ppm	60ppm
Soluble selenium	<5ppm	<5ppm	500ppm

Test Results:

4.3.5.2 Toys Substrate Materials

Total lead test

Sample	Result	Limit
3+4+5	<10ppm	100ppm
6+7+8	<10ppm	100ppm
9+10+11	<10ppm	100ppm
12+13+14	17ppm	100ppm
15+16+17	<10ppm	100ppm
18	<10ppm	100ppm
19	<10ppm	100ppm
20	<10ppm	100ppm
21+22	<10ppm	100ppm
23	<10ppm	100ppm
24	<10ppm	100ppm
25	<10ppm	100ppm
26	<10ppm	100ppm
27	<10ppm	100ppm
28	<10ppm	100ppm
29	<10ppm	100ppm
30	<10ppm	100ppm
31	<10ppm	100ppm
32	<10ppm	100ppm

Soluble metals test:

*[3] = According to requirement of ASTM F963-17, materials such as metal, glass, and ceramic are exempted if they are not small parts.

	3	4	5	6	7	Limit
Soluble lead	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	90ppm
Soluble cadmium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	75ppm
Soluble chromium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble barium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	1000ppm
Soluble antimony	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble arsenic	<2ppm	<2ppm	<2ppm	<2ppm	<2ppm	25ppm
Soluble mercury	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble selenium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	500ppm

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Test Results:

	8	9	10	11	12	Limit
Soluble lead	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	90ppm
Soluble cadmium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	75ppm
Soluble chromium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble barium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	1000ppm
Soluble antimony	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble arsenic	<2ppm	<2ppm	<2ppm	<2ppm	<2ppm	25ppm
Soluble mercury	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble selenium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	500ppm

	13	14	15	16	17	Limit
Soluble lead	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	90ppm
Soluble cadmium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	75ppm
Soluble chromium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble barium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	1000ppm
Soluble antimony	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble arsenic	<2ppm	<2ppm	<2ppm	<2ppm	<2ppm	25ppm
Soluble mercury	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble selenium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	500ppm

	18	19	20	21	22	Limit
Soluble lead	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	90ppm
Soluble cadmium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	75ppm
Soluble chromium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble barium	<5ppm	11ppm	<5ppm	<5ppm	<5ppm	1000ppm
Soluble antimony	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble arsenic	<2ppm	<2ppm	<2ppm	<2ppm	<2ppm	25ppm
Soluble mercury	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble selenium	<5ppm	<5ppm	<5ppm	<5ppm	<5ppm	500ppm

	29	30	31	32		Limit
Soluble lead	<5ppm	<5ppm	<5ppm	<5ppm		90ppm
Soluble cadmium	<5ppm	<5ppm	<5ppm	<5ppm		75ppm
Soluble chromium	<5ppm	<5ppm	<5ppm	<5ppm		60ppm
Soluble barium	<5ppm	<5ppm	<5ppm	<5ppm		1000ppm
Soluble antimony	<5ppm	<5ppm	<5ppm	<5ppm		60ppm
Soluble arsenic	<2ppm	<2ppm	<2ppm	<2ppm		25ppm
Soluble mercury	<5ppm	<5ppm	<5ppm	<5ppm		60ppm
Soluble selenium	<5ppm	<5ppm	<5ppm	<5ppm		500ppm

Note: < denotes less than.

Test Results:

1.4 Battery Operated Toy
Ref.: ASTM F963-17 Section 4.25

Applicable Clause	Description	Result
4.25	Battery operated toys	Pass

Normal operation

Normal operation
Ambient temperature:23.3°C
Supply voltage: 12V DC

Position	Max. Temp. (°C)	Permissible Limit of T (°C)
Battery (car)	27.96	71
Battery (remote)	23.6	71

Locked moving part (stalled motor condition)-Location:wheel

Normal operation
Ambient temperature:22.63°C
Supply voltage: 12V DC

Position	Max. Temp. (°C)	Permissible Limit of T (°C)
Battery (car)	24.01	71
Battery (remote control)	22.77	71

2. US Consumer Product Safety Improvement Act

2.1 Children's products containing lead - Total Lead content in paint and surface coating
Ref.: CPSIA Sec 101(f) and 16 CFR 1303
Test Method: CPSC-CH-E1003-09.1
Determined by: Inductively Coupled Plasma-Optical Emission Spectrometer

Sample	Result	Limit
1+2	<10ppm	90ppm

Note: < denotes less than.

2.2 Children's products containing lead - Total Lead content in substrate
Ref.: CPSIA Sec 101(a)
Test Method: CPSC-CH-E1001-08.3& CPSC-CH-E1002-08.3
Determined by: Inductively Coupled Plasma-Optical Emission Spectrometer

Test Results:

Sample	Result	Limit
3+4+5	<10ppm	100ppm
6+7+8	<10ppm	100ppm
9+10+11	<10ppm	100ppm
12+13+14	17ppm	100ppm
15+16+17	<10ppm	100ppm
18	<10ppm	100ppm
19	<10ppm	100ppm
20	<10ppm	100ppm
21+22	<10ppm	100ppm
23	<10ppm	100ppm
24	<10ppm	100ppm
25	<10ppm	100ppm
26	<10ppm	100ppm
27	<10ppm	100ppm
28	<10ppm	100ppm
29	<10ppm	100ppm
30	<10ppm	100ppm
31	<10ppm	100ppm
32	<10ppm	100ppm

Note: < denotes less than.

2.3 Phthalates content
Ref.: CPSIA Sec 108 and 16 CFR 1307
Test Method: CPSC-CH-C1001-09.4
Determined by: Gas Chromatography with Mass Selective Detector

Test Item	CAS No.	Result(ppm)			Limit (ppm)
		1	2	3+4+5	
Di-n-butyl phthalate (DBP)	84-74-2	<100	<100	<100	1000
Benzyl-n-butyl phthalate (BBP)	85-68-7	<100	<100	<100	1000
Di (2-ethylhexyl) phthalate (DEHP)	117-81-7	<100	139	<100	1000
Diisononyl phthalate (DINP)	28553-12-0	<100	<100	<100	1000
Di-n-Hexyl phthalate (DnHP)	84-75-3	<100	<100	<100	1000
Di-isobutyl phthalate(DIBP)	84-69-5	<100	<100	<100	1000
Di-n-penty1 phthalate(DPENP)	131-18-0	<100	<100	<100	1000
Di-cyclohexyl phthalate(DCHP)	84-61-7	<100	<100	<100	1000

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Test Results:

Test Item	CAS No.	Result(ppm)			Limit (ppm)
		6+7+8	9+10+11	12+13+14	
Di-n-butyl phthalate (DBP)	84-74-2	<100	<100	<100	1000
Benzyl-n-butyl phthalate (BBP)	85-68-7	<100	<100	<100	1000
Di (2-ethylhexyl) phthalate (DEHP)	117-81-7	<100	<100	<100	1000
Diisononyl phthalate (DINP)	28553-12-0	<100	<100	<100	1000
Di-n-Hexyl phthalate (DnHP)	84-75-3	<100	<100	<100	1000
Di-isobutyl phthalate(DIBP)	84-69-5	<100	<100	<100	1000
Di-n-penty1 phthalate(DPENP)	131-18-0	<100	<100	<100	1000
Di-cyclohexyl phthalate(DCHP)	84-61-7	<100	<100	<100	1000

Test Item	CAS No.	Result(ppm)			Limit (ppm)
		15+16+17	18	19	
Di-n-butyl phthalate (DBP)	84-74-2	<100	<100	<100	1000
Benzyl-n-butyl phthalate (BBP)	85-68-7	<100	<100	<100	1000
Di (2-ethylhexyl) phthalate (DEHP)	117-81-7	<100	<100	<100	1000
Diisononyl phthalate (DINP)	28553-12-0	<100	<100	<100	1000
Di-n-Hexyl phthalate (DnHP)	84-75-3	<100	<100	<100	1000
Di-isobutyl phthalate(DIBP)	84-69-5	<100	<100	<100	1000
Di-n-penty1 phthalate(DPENP)	131-18-0	<100	<100	<100	1000
Di-cyclohexyl phthalate(DCHP)	84-61-7	<100	<100	<100	1000

Test Item	CAS No.	Result(ppm)			Limit (ppm)
		20	21+22	29	
Di-n-butyl phthalate (DBP)	84-74-2	<100	400	<100	1000
Benzyl-n-butyl phthalate (BBP)	85-68-7	<100	<100	<100	1000
Di (2-ethylhexyl) phthalate (DEHP)	117-81-7	<100	<100	<100	1000
Diisononyl phthalate (DINP)	28553-12-0	<100	<100	<100	1000
Di-n-Hexyl phthalate (DnHP)	84-75-3	<100	<100	<100	1000
Di-isobutyl phthalate(DIBP)	84-69-5	<100	<100	<100	1000
Di-n-penty1 phthalate(DPENP)	131-18-0	<100	<100	<100	1000
Di-cyclohexyl phthalate(DCHP)	84-61-7	<100	<100	<100	1000

Test Results:

Test Item	CAS No.	Result(ppm)			Limit (ppm)
		30	31	32	
Di-n-butyl phthalate (DBP)	84-74-2	<100	<100	<100	1000
Benzyl-n-butyl phthalate (BBP)	85-68-7	<100	<100	<100	1000
Di (2-ethylhexyl) phthalate (DEHP)	117-81-7	<100	213	197	1000
Diisononyl phthalate (DINP)	28553-12-0	<100	<100	<100	1000
Di-n-Hexyl phthalate (DnHP)	84-75-3	<100	<100	<100	1000
Di-isobutyl phthalate(DIBP)	84-69-5	<100	<100	<100	1000
Di-n-penty1 phthalate(DPENP)	131-18-0	<100	<100	<100	1000
Di-cyclohexyl phthalate(DCHP)	84-61-7	<100	<100	<100	1000

Note: < denotes less than.

3. The Total Lead Content
Ref.: California Proposition 65
Test method: CPSC-CH-E1003-09.1 & CPSC-CH-E1002-08.3& CPSC-CH-E1001-08.3
Determined by: Inductively Coupled Plasma-Optical Emission Spectrometer

Sample	Result	Limit
1+2	<10ppm	90ppm
3+4+5	<10ppm	100ppm
6+7+8	<10ppm	100ppm
9+10+11	<10ppm	100ppm
12+13+14	17ppm	100ppm
15+16+17	<10ppm	100ppm
18	<10ppm	100ppm
19	<10ppm	100ppm
20	<10ppm	100ppm
21+22	<10ppm	100ppm
23	<10ppm	100ppm
24	<10ppm	100ppm
25	<10ppm	100ppm
26	<10ppm	100ppm
27	<10ppm	100ppm
28	<10ppm	100ppm
29	<10ppm	100ppm
30	<10ppm	100ppm
31	<10ppm	100ppm
32	<10ppm	100ppm

Note: < denotes less than.

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4. The BBP, DBP, DEHP, DnHP, DINP and DIDP content
Ref.: California Proposition 65
Test Method: CPSC-CH-C1001-09.4
Determined by: Gas Chromatography with Mass Selective Detector

		1	2	3+4+5
-	Di-n-butyl phthalate (DBP)	<100ppm	<100ppm	<100ppm
-	Benzyl-n-butyl phthalate (BBP)	<100ppm	<100ppm	<100ppm
-	Di (2-ethylhexyl) phthalate (DEHP)	<100ppm	139ppm	<100ppm
-	Di-n-Hexyl phthalate (DnHP)	<100ppm	<100ppm	<100ppm
-	Di-iso-nonyl phthalate(DINP)	<100ppm	<100ppm	<100ppm
-	Di-iso-decyl phthalate(DIDP)	<100ppm	<100ppm	<100ppm

		6+7+8	9+10+11	12+13+14
-	Di-n-butyl phthalate (DBP)	<100ppm	<100ppm	<100ppm
-	Benzyl-n-butyl phthalate (BBP)	<100ppm	<100ppm	<100ppm
-	Di (2-ethylhexyl) phthalate (DEHP)	<100ppm	<100ppm	<100ppm
-	Di-n-Hexyl phthalate (DnHP)	<100ppm	<100ppm	<100ppm
-	Di-iso-nonyl phthalate(DINP)	<100ppm	<100ppm	<100ppm
-	Di-iso-decyl phthalate(DIDP)	<100ppm	<100ppm	<100ppm

		15+16+17	18	19
-	Di-n-butyl phthalate (DBP)	<100ppm	<100ppm	<100ppm
-	Benzyl-n-butyl phthalate (BBP)	<100ppm	<100ppm	<100ppm
-	Di (2-ethylhexyl) phthalate (DEHP)	<100ppm	<100ppm	<100ppm
-	Di-n-Hexyl phthalate (DnHP)	<100ppm	<100ppm	<100ppm
-	Di-iso-nonyl phthalate(DINP)	<100ppm	<100ppm	<100ppm
-	Di-iso-decyl phthalate(DIDP)	<100ppm	<100ppm	<100ppm

		20	21+22	29
-	Di-n-butyl phthalate (DBP)	<100ppm	400ppm	<100ppm
-	Benzyl-n-butyl phthalate (BBP)	<100ppm	<100ppm	<100ppm
-	Di (2-ethylhexyl) phthalate (DEHP)	<100ppm	<100ppm	<100ppm
-	Di-n-Hexyl phthalate (DnHP)	<100ppm	<100ppm	<100ppm
-	Di-iso-nonyl phthalate(DINP)	<100ppm	<100ppm	<100ppm
-	Di-iso-decyl phthalate(DIDP)	<100ppm	<100ppm	<100ppm

Test Results:

		30	31	32
-	Di-n-butyl phthalate (DBP)	<100ppm	<100ppm	<100ppm
-	Benzyl-n-butyl phthalate (BBP)	<100ppm	<100ppm	<100ppm
-	Di (2-ethylhexyl) phthalate (DEHP)	<100ppm	213ppm	197ppm
-	Di-n-Hexyl phthalate (DnHP)	<100ppm	<100ppm	<100ppm
-	Di-iso-nonyl phthalate(DINP)	<100ppm	<100ppm	<100ppm
-	Di-iso-decyl phthalate(DIDP)	<100ppm	<100ppm	<100ppm

Requirement: Each of the above phthalates shall not be greater than 1000ppm by mass of the tested material.

Note: < denotes less than.

5. The Total Lead Content requirements according to Illinois Public Act 095-1019
Test method: CPSC-CH-E1003-09.1 & CPSC-CH-E1002-08.3 & CPSC-CH-E1001-08.3
Determined by: Inductively Coupled Plasma-Optical Emission Spectrometer

Sample	Result	Limit
1+2	<10ppm	40ppm
3+4+5	<10ppm	40ppm
6+7+8	<10ppm	40ppm
9+10+11	<10ppm	40ppm
12+13+14	17ppm	40ppm
15+16+17	<10ppm	40ppm
18	<10ppm	40ppm
19	<10ppm	40ppm
20	<10ppm	40ppm
21+22	<10ppm	40ppm
23	<10ppm	40ppm
24	<10ppm	40ppm
25	<10ppm	40ppm
26	<10ppm	40ppm
27	<10ppm	40ppm
28	<10ppm	40ppm
29	<10ppm	40ppm
30	<10ppm	40ppm
31	<10ppm	40ppm
32	<10ppm	40ppm

Note: < denotes less than.

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6. Phthalates content
Ref.: California Assembly Bill NO.1108
Test Method: CPSC-CH-C1001-09.4
Determined by: Gas Chromatography with Mass Selective Detector

A. Any toy or children article

Test Item	CAS No.	Result(ppm)		Limit(ppm)
		1	2	
Dibutyl phthalate(DBP)	84-74-2	<100	<100	1000
Butyl benzyl phthalate (BBP)	85-68-7	<100	<100	1000
Di -2-ethylhexyl phthalate (DEHP)	117-81-7	<100	139	1000

Test Item	CAS No.	Result(ppm)		Limit(ppm)
		3+4+5	6+7+8	
Dibutyl phthalate(DBP)	84-74-2	<100	<100	1000
Butyl benzyl phthalate (BBP)	85-68-7	<100	<100	1000
Di -2-ethylhexyl phthalate (DEHP)	117-81-7	<100	<100	1000

Test Item	CAS No.	Result(ppm)		Limit(ppm)
		9+10+11	12+13+14	
Dibutyl phthalate(DBP)	84-74-2	<100	<100	1000
Butyl benzyl phthalate (BBP)	85-68-7	<100	<100	1000
Di -2-ethylhexyl phthalate (DEHP)	117-81-7	<100	<100	1000

Test Item	CAS No.	Result(ppm)		Limit(ppm)
		15+16+17	18	
Dibutyl phthalate(DBP)	84-74-2	<100	<100	1000
Butyl benzyl phthalate (BBP)	85-68-7	<100	<100	1000
Di -2-ethylhexyl phthalate (DEHP)	117-81-7	<100	<100	1000

Test Item	CAS No.	Result(ppm)		Limit(ppm)
		19	20	
Dibutyl phthalate(DBP)	84-74-2	<100	<100	1000
Butyl benzyl phthalate (BBP)	85-68-7	<100	<100	1000
Di -2-ethylhexyl phthalate (DEHP)	117-81-7	<100	<100	1000

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Test Item	CAS No.	Result(ppm)		Limit(ppm)
		21+22	29	
Dibutyl phthalate(DBP)	84-74-2	400	<100	1000
Butyl benzyl phthalate (BBP)	85-68-7	<100	<100	1000
Di -2-ethylhexyl phthalate (DEHP)	117-81-7	<100	<100	1000

Test Item	CAS No.	Result(ppm)			Limit(ppm)
		30	31	32	
Dibutyl phthalate(DBP)	84-74-2	<100	<100	<100	1000
Butyl benzyl phthalate (BBP)	85-68-7	<100	<100	<100	1000
Di -2-ethylhexyl phthalate (DEHP)	117-81-7	<100	213	197	1000

B. Any toys and children articles which can be placed in mouth for children under 3 years

Test Item	CAS No.	Result(ppm)		Limit(ppm)
		1	2	
Di-n-octyl phthalate(DNOP)	117-84-0	<100	<100	1000
Di-iso-decyl phthalate(DIDP)	26761-40-0	<100	<100	1000
Di-iso-nonyl phthalate(DINP)	28553-12-0	<100	<100	1000

Test Item	CAS No.	Result(ppm)		Limit(ppm)
		3+4+5	6+7+8	
Di-n-octyl phthalate(DNOP)	117-84-0	<100	<100	1000
Di-iso-decyl phthalate(DIDP)	26761-40-0	<100	<100	1000
Di-iso-nonyl phthalate(DINP)	28553-12-0	<100	<100	1000

Test Item	CAS No.	Result(ppm)		Limit(ppm)
		9+10+11	12+13+14	
Di-n-octyl phthalate(DNOP)	117-84-0	<100	<100	1000
Di-iso-decyl phthalate(DIDP)	26761-40-0	<100	<100	1000
Di-iso-nonyl phthalate(DINP)	28553-12-0	<100	<100	1000

Test Item	CAS No.	Result(ppm)		Limit(ppm)
		15+16+17	18	
Di-n-octyl phthalate(DNOP)	117-84-0	<100	<100	1000
Di-iso-decyl phthalate(DIDP)	26761-40-0	<100	<100	1000
Di-iso-nonyl phthalate(DINP)	28553-12-0	<100	<100	1000

Test Item	CAS No.	Result(ppm)		Limit(ppm)
		19	20	
Di-n-octyl phthalate(DNOP)	117-84-0	<100	<100	1000
Di-iso-decyl phthalate(DIDP)	26761-40-0	<100	<100	1000
Di-iso-nonyl phthalate(DINP)	28553-12-0	<100	<100	1000

Test Results:

Test Item	CAS No.	Result(ppm)		Limit(ppm)
		21+22	29	
Di-n-octyl phthalate(DNOP)	117-84-0	<100	<100	1000
Di-iso-decyl phthalate(DIDP)	26761-40-0	<100	<100	1000
Di-iso-nonyl phthalate(DINP)	28553-12-0	<100	<100	1000

Test Item	CAS No.	Result(ppm)			Limit(ppm)
		30	31	32	
Di-n-octyl phthalate(DNOP)	117-84-0	<100	<100	<100	1000
Di-iso-decyl phthalate(DIDP)	26761-40-0	<100	<100	<100	1000
Di-iso-nonyl phthalate(DINP)	28553-12-0	<100	<100	<100	1000

Note: < denotes less than.

7. Phthalates content
Ref.: San Francisco Health Code Article 34, sec 34.2
Test Method: CPSC-CH-C1001-09.4
Determined by: Gas Chromatography with Mass Selective Detector

Test Item	1	2	3+4+5	6+7+8
Di-n-butyl phthalate (DBP)	<100ppm	<100ppm	<100ppm	<100ppm
Benzyl-n-butyl phthalate (BBP)	<100ppm	<100ppm	<100ppm	<100ppm
Di (2-ethylhexyl) phthalate(DEHP)	<100ppm	139ppm	<100ppm	<100ppm
Di-n-octyl phthalate(DNOP)	<100ppm	<100ppm	<100ppm	<100ppm
Di-iso-nonyl phthalate(DINP)	<100ppm	<100ppm	<100ppm	<100ppm
Di-iso-decyl phthalate(DIDP)	<100ppm	<100ppm	<100ppm	<100ppm

Test Item	9+10+11	12+13+14	15+16+17	18
Di-n-butyl phthalate (DBP)	<100ppm	<100ppm	<100ppm	<100ppm
Benzyl-n-butyl phthalate (BBP)	<100ppm	<100ppm	<100ppm	<100ppm
Di (2-ethylhexyl) phthalate(DEHP)	<100ppm	<100ppm	<100ppm	<100ppm
Di-n-octyl phthalate(DNOP)	<100ppm	<100ppm	<100ppm	<100ppm
Di-iso-nonyl phthalate(DINP)	<100ppm	<100ppm	<100ppm	<100ppm
Di-iso-decyl phthalate(DIDP)	<100ppm	<100ppm	<100ppm	<100ppm

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Test Results:

Test Item	19	20	21+22	29
Di-n-butyl phthalate (DBP)	<100ppm	<100ppm	400ppm	<100ppm
Benzyl-n-butyl phthalate (BBP)	<100ppm	<100ppm	<100ppm	<100ppm
Di (2-ethylhexyl) phthalate(DEHP)	<100ppm	<100ppm	<100ppm	<100ppm
Di-n-octyl phthalate(DNOP)	<100ppm	<100ppm	<100ppm	<100ppm
Di-iso-nonyl phthalate(DINP)	<100ppm	<100ppm	<100ppm	<100ppm
Di-iso-decyl phthalate(DIDP)	<100ppm	<100ppm	<100ppm	<100ppm

Test Item	30	31	32
Di-n-butyl phthalate (DBP)	<100ppm	<100ppm	<100ppm
Benzyl-n-butyl phthalate (BBP)	<100ppm	<100ppm	<100ppm
Di (2-ethylhexyl) phthalate(DEHP)	<100ppm	213ppm	197ppm
Di-n-octyl phthalate(DNOP)	<100ppm	<100ppm	<100ppm
Di-iso-nonyl phthalate(DINP)	<100ppm	<100ppm	<100ppm
Di-iso-decyl phthalate(DIDP)	<100ppm	<100ppm	<100ppm

Requirement: Each of the above phthalates shall not be greater than 1000ppm by mass of the tested material.

Note: < denotes less than.

Test Report

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The photo of submitted samples

Test Report




Test Report

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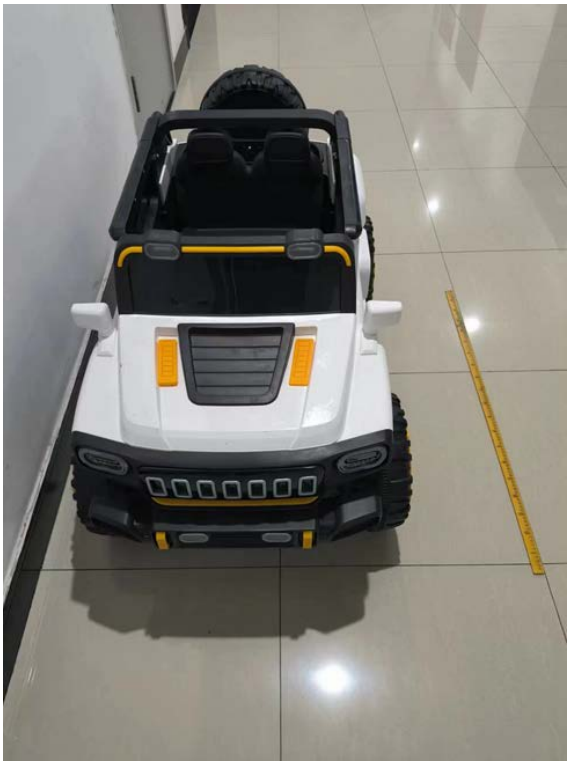
No. : SP23100162



Test Report




******* End of Test Report *******

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by The STC (Shanghai) Company Limited (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The Company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by the Company as a result of this application for testing service (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to his customer, supplier or other persons directly concerned. Subject to clause 3 ,the Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3. The Company shall be at liberty to disclose the testing-related documents and/or files anytime to any third-party accreditation and/or recognition bodies for audit or other related purposes. No liabilities whatsoever shall attach to the Company's act of disclosure.

4. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

5. The results in Report apply only to the sample as received and do not apply to the bulk, unless the sampling has been carried out by the Company and is stated as such in the Report. The Clients provide the sample's relevant information, and the Company will not be liable for or accept responsibility for the truth of the sample information.

6. When a statement of conformity to a specification or standard is provided, the ILAC-G8 Guidance document (and/or IEC Guide 115 in the electrotechnical sector) with 95% coverage probability will be adopted as a decision rule for the determination of conformity unless it is inherent in the requested specification or standard, or otherwise specified in the Report.

7. In the event of the improper use the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

8. Sample submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

9. The Company will not be liable for or accept responsibility for any loss or damage howsoever arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

10. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

11. Subject to the variable length of retention time for test data and report stored hereinto as to otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of this test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after the retention period. Under no circumstances shall we be liable for damages of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any

form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

12. Issuance records of the Report are available on the internet at www.stc.group. Further enquiry of validity or verification of the Reports should be addressed to the Company.