

TEST REPORT

Number : WUXH00097480

Applicant : PINGHU CITY XIAO MING XING CHILDREN'S
PRODUCTS CO.,LTD
NO.199 ZHONGHUA SECTION
,XINYA ROAD,XINCANG TOWN,PINGHU CITY,
ZHEJIANG,CHINA

Date : Feb 26, 2020

Sample Description:

One (1) Group Of Submitted Sample Said To Be :

Item Name : **CHILDREN CAR.**
Item No. : **XXM610.**
Labelled Age Group : Over 3 Years.
Packaging Provided By Applicant : Yes.
Country Of Origin : China.

Tests Conducted:

As Requested By The Applicant, For Details Refer To Attached Page(s).

Prepared And Checked By:
For Intertek Testing Services Wuxi Ltd.



Peter Chen
General Manager



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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	U.S. ASTM F963-17 For Physical And Mechanical Tests Excluding Clause 4.25, 6.5	Pass
Submitted Sample	U.S. ASTM F963-17 For Flammability Test Of Materials Other Than Textile Materials	Pass
Tested Components Of Submitted Sample	U.S. ASTM F963-17 For Soluble Elements Content In Surface Coating	Pass
Tested Components Of Submitted Sample	U.S. ASTM F963-17 Section 4.3.5.2(2)(b) For Soluble Elements Content For Non-Surface Coating Materials	Pass
Tested Components Of Submitted Sample	U.S. ASTM F963-17 For Total Lead (Pb) Content	Pass
Tested Components Of Submitted Sample	U.S. Code Of Federal Regulations Title 16 CFR 1303 For Total Lead Content In Surface Coating	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 For Total Lead Content In Surface Coating	Pass
Tested Components Of Submitted Sample	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 For Total Lead Content In Non-Surface Coating Materials (Substrate)	Pass
Tested Components Of Submitted Sample	U.S. Consumer Product Safety Commission (CPSC)'s Decision On Publishing The Final Rule For The 16 CFR Part 1307 For Prohibition Of Children's Toys And Child Care Articles Containing Specified Phthalates On 18 October 2017	Pass

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Tests Conducted (As Requested By The Applicant)

1 Physical And Mechanical Tests

As Per The ASTM Standard Consumer Safety Specification For Toy Safety F963-17.

Applicant's Specified Age Group For Testing: Over 3 Years

The Submitted Samples Were Undergone The Use And Abuse Tests In Accordance With The Federal Hazardous Substances Act (FHSA), Title 16, Code Of Federal Regulations: -		
<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Tip Over Test	Section 1500.53(b)	3 Times
Torque Test	Section 1500.53(e)	4 in-lbf
Tension Test	Section 1500.53(f)	15 lbf
Compression Test	Section 1500.53(g)	30 lbf

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Material Quality (Visual Check On Cleanliness)	P
4.5	Sound-Producing Toys	P
4.6.1	Toys Intended For Children Under 36 Months (Small Objects)	NA
4.6.2	Mouth-Actuated Toys	NA
4.6.3	Toys And Games For 36 Months To 72 Months (Small Part Warning)	NA
4.7	Accessible Edges	P
4.8	Projections	P
4.9	Accessible Points	P
4.10	Wires Or Rods	NA
4.11	Nails And Fasteners	P
4.12	Plastic Film	NA
4.13	Folding Mechanisms And Hinges	NA
4.14	Cords And Elastics In Toys	NA
4.15	Stability And Over-Load Requirements	P
4.16	Confined Spaces	NA
4.17	Wheels, Tires And Axles	P
4.18	Holes, Clearance, And Accessibility Of Mechanisms	P
4.19	Simulated Protective Devices Such As Helmets, Hats, And Goggles	NA
4.20	Pacifiers	NA
4.21	Projectile Toys	NA
4.22	Teethers And Teething Toys	NA
4.23	Rattles	NA
4.24	Squeeze Toys	NA
4.25	Battery-Operated Toys	NR#1



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Section	Testing Items	Assessment
4.26	Toys Intended To Be Attached To A Crib Or Playpen	NA
4.27	Stuffed And Beanbag-Type Toys	NA
4.28	Stroller And Carriage Toys	NA
4.29	Art Materials	NA
4.30	Toy Gun Marking	NA
4.31	Balloons	NA
4.32	Certain Toys With Nearly Spherical Ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	Yoyo Elastic Tether Toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment In Handles And Steering Wheels	NA
4.40	Expanding Materials	NA
4.41	Toy Chests	NA
5	Labelling Requirement	P
6	Instructional Literature	P#1
7.1	Producer's Markings - Name Of Producer/Distributor - Address	YES YES
7.3	Toy Chests - Name of Manufacturer/Distributor/Seller (Toy) - Address (City, State And Zip Code) of Manufacturer/Distributor/Seller (Toy) - Date Code (Toy And Package/Shipping Container)	NA

Remark: P = Pass NA = Not applicable NR= Not Request

The Submitted Samples Were Undergone The Tests In Accordance With Section 8.5 Through Section 8.18 And 8.20 Through 8.26 On Normal Use, Abuse And Specific Tests For Different Types Of Toys Whichever Is Applicable.

#1 = As Applicant's Request, Section 4.25, 6.5 For Battery-Operated Toys Were Not Assessed.

Date Sample Received: Jan 13, 2020 & Feb 24, 2020

Testing Period: Jan 13, 2020 To Feb 24, 2020



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Tests Conducted (As Requested By The Applicant)

2 Flammability Test

As Per Section 4.2 Of The ASTM Standard Consumer Safety Specification For Toy Safety F963-17, The Sample Was Tested According To Annex A5 Flammability Testing Procedure For Solids And Soft Toys.

Results: Did Not Ignite

Date Sample Received: Jan 13, 2020

Testing Period: Jan 13, 2020 To Jan 17, 2020

3 Soluble Elements Analysis In Surface Coating

As per section 4.3.5.1(2) of the ASTM standard consumer safety specification on toy safety F963-17, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (ppm)</u>				<u>Limit (ppm)</u>
	(11)	(12)	(13)	(14)	
Sol. Barium (Ba)	508	134	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	25

Remark: Sol. = Soluble

ppm = Parts Per Million = mg/kg

Tested Components: See Component List In The Last Section Of This Report.

Date Sample Received: Jan 13, 2020

Testing Period: Jan 13, 2020 To Feb 25, 2020



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Tests Conducted (As Requested By The Applicant)

4 Soluble Elements Analysis In Non-Surface Coating Materials (Substrate Except Modelling Clay)

As per section 4.3.5.2(2)(b) of the ASTM standard consumer safety specification on toy safety F963-17, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (ppm)</u>							<u>Limit (ppm)</u>
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	<u>Result (ppm)</u>							<u>Limit (ppm)</u>
	(8)	(9)	(10)	(15)	(16)	(17)	(18)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

Remark: Sol. = Soluble

ppm = Parts Per Million = mg/kg

Tested Components: See Component List In The Last Section Of This Report.

Date Sample Received: Jan 13, 2020

Testing Period: Jan 13, 2020 To Feb 25, 2020



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Tests Conducted (As Requested By The Applicant)

5 Total Lead (Pb) Content

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, test method CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3 or/and CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

(I) Surface Coating

<u>Tested Component</u>	<u>Result in ppm</u>	<u>Limit (ppm)</u>
(11+12)	<20	90
(13+14)	<20	90

(II) Non-Surface Coating

<u>Tested Component</u>	<u>Result in ppm</u>	<u>Limit (ppm)</u>
(1+2+3)	<10	100
(4+5+6)	<10	100
(7+8+9)	<10	100
(10)	<10	100
(15)	<10	100
(16)	<10	100
(17)	<10	100

Remark : ppm = Parts Per Million=mg/kg
< = Less Than

Tested Components: See Component List In The Last Section Of This Report.

Date Sample Received: Jan 13, 2020

Testing Period: Jan 13, 2020 To Feb 25, 2020



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Tests Conducted (As Requested By The Applicant)

6 Total Lead (Pb) Content In Surface Coating

As Per Standard Operating Procedure For Determining Lead (Pb) In Paint And Other Similar Surface Coatings (April 26, 2009), Test Method CPSC-CH-E1003-09 Was Used And Total Lead Content Was Determined By Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result In ppm</u>	<u>Limit In ppm</u>
(11+12)	<20	90
(13+14)	<20	90

The Above Requirement Was Quoted For Us Consumer Product Safety Improvement Act 2008. (H.R.4040) Total Lead Content.

Remark : ppm = Parts Per Million = mg/kg
< = Less Than

Tested Components: See Component List In The Last Section Of This Report.

Date Sample Received: Jan 13, 2020

Testing Period: Jan 13, 2020 To Feb 25, 2020

7 Total Lead (Pb) Content In Non-Surface Coating Materials (Substrate):

As Per Standard Operating Procedures For Determining Total Lead (Pb) In Children's Products, Test Methods CPSC-CH-E1002-08.1 And/Or CPSC-CH-E1001-08.1 Were Used And Total Lead Content Was Determined By Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result In ppm</u>	<u>Limit In ppm</u>
(1+2+3)	<10	100
(4+5+6)	<10	100
(7+8+9)	<10	100
(10)	<10	100
(15)	<10	100
(16)	<10	100
(17)	<10	100

The Above Requirement Was Quoted For Us Consumer Product Safety Improvement Act 2008. (H.R.4040) Total Lead Content.

Remark : ppm = Parts Per Million = mg/kg
< = Less Than

Tested Components: See Component List In The Last Section Of This Report.

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Tests Conducted (As Requested By The Applicant)

8 Phthalate Content

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	CAS No.	Result (%)			Reporting Limit(%)	Limit (%)
		Tested component				
		(1+2+3)	(4+5+6)	(7+8+9)		
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.01	0.1
Di-n-pentyl Phthalate (DPENP)	131-18-0	ND	ND	ND	0.01	0.1
Di-n-hexyl Phthalate (DHEXP)	84-75-3	ND	ND	ND	0.01	0.1
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	ND	ND	0.01	0.1

Test item	CAS No.	Result (%)			Reporting Limit(%)	Limit (%)
		Tested component				
		(10)	(11+12)	(13+14)		
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.01	0.1
Di-n-pentyl Phthalate (DPENP)	131-18-0	ND	ND	ND	0.01	0.1
Di-n-hexyl Phthalate (DHEXP)	84-75-3	ND	ND	ND	0.01	0.1
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	ND	ND	0.01	0.1

Test item	CAS No.	Result (%)			Reporting Limit(%)	Limit (%)
		Tested component				
		(15)	(16)	(17)		
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.01	0.1
Di-n-pentyl Phthalate (DPENP)	131-18-0	ND	ND	ND	0.01	0.1
Di-n-hexyl Phthalate (DHEXP)	84-75-3	ND	ND	ND	0.01	0.1
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	ND	ND	0.01	0.1



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The Above Limit Was Quoted According To U.S. Consumer Product Safety Commission (CPSC)'s Decision On Publishing The Final Rule For The 16 CFR Part 1307 For Prohibition Of Children's Toys And Child Care Articles Containing Specified Phthalates On 18 October 2017.

ND = Not Detected

Tested Components: See Component List In The Last Section Of This Report.

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Photo



The Samples Were Submitted By The Client, Only For Reference



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Components List:

- (1) White plastic(body).
- (2) Black bright plastic(body).
- (3) Black plastic(front fence).
- (4) Black plastic(steering wheel).
- (5) Black plastic(button on steering wheel).
- (6) Black plastic(seat).
- (7) Black plastic(adjuster of safety belt).
- (8) Black plastic(hand brake).
- (9) White plastic excluding silver grey coating(wheel hub).
- (10) Black plastic(foot pedal).
- (11) Black coating on metal(chassis).
- (12) Black bright coating on metal(chassis,foot pedal).
- (13) Silver coating on plastic(front fence).
- (14) Silver grey coating with plastic(wheel hub).
- (15) Black soft plastic(foam wheels).
- (16) Transparent plastic film with silver coating(logo on wheels,steering wheel).
- (17) White adhesive plastic film with red/black printing(warning sticker).
- (18) Black woven fabric(safety belt).

End of Report

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