SMARTECH CO.,LTD.

Technical Report: (9023)156-0137 JUL 18, 2023
Date Received: JUN 05, 2023 Page 1 of 29

LILY QI
SMARTECH CO.,LTD.
NO.29,3 DONGBEISAN STREET,KAIFAQU
DISTRICT,DALIAN,CHINA

Sample Description:	PONYCYCLE-RIDE ON TOY		
Vendor:	SMARTECH CO.,LTD.	Sample Size:	6 STYLES × 3 SETS
Buyer:	N/A	Style No(s):	E311/E312/E313/E314/E315/E336/E337/E338/E339/E335 E411/E412/E413/E414/E415/E436/E437/E438/E439/E435
Manufacturer:	SMARTECH CO.,LTD.	SKN/SKU No.:	N/A
Labeled Age Grade:	NOT PRESENT	PO No.:	N/A
Appropriate Age Grade:	NOT REQUESTED	Ref #:	N/A
Client Specified Age Grade:	3-8	Assortment No.:	N/A
Tested Age Grade:	BETWEEN 3-8 YEARS OLD	Country of Destination:	AMERICA
Country of Origin:	CHINA	Color:	N/A
UPC Code:	N/A	ASIN:	N/A

EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- The labeling requirements of ASTM F963-17, “Standard consumer safety specification for toy safety”.
- The mechanical hazards requirements of ASTM F963-17, “Standard consumer safety specification for toy safety”.
- The flammability requirements of 16 CFR 1500.44, "Flammable solid" (FHSA regulations).
- The total heavy metals content in surface coating requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.1(2).
- The total heavy metals content in substrate requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.2(2)(b).
- The soluble heavy metals content in substrate requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.2(2)(b).
- The total lead content of 90ppm requirements of 16 CFR 1303, “Ban of lead-containing paint and certain consumer products bearing lead-containing paint” as mandated by Congress in section 101(f) of the Consumer Products Safety Improvement Act (CPSIA) of 2008, Public Law 110-314.
- The total lead content of 100ppm requirements in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008)
- The phthalates (BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP & DCHP) content requirements of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) and 108(c), 16 CFR 1307).

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Note:
1:Only sample 1 was conducted The labeling requirements of ASTM F963-17, “Standard consumer safety specification for toy safety”; The mechanical hazards requirements of ASTM F963-17, “Standard consumer safety specification for toy safety”; The flammability requirements of 16 CFR 1500.44, "Flammable solid" (FHSA regulations).

2.With the client’s prior consent, Test items of The labeling requirements of ASTM F963-17, “Standard consumer safety specification for toy safety”; The mechanical hazards requirements of ASTM F963-17, “Standard consumer safety specification for toy safety”; The flammability requirements of 16 CFR 1500.44, "Flammable solid" (FHSA regulations) were subtracted.

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BUREAU VERITAS
CONSUMER PRODUCTS SERVICE DIVISION (SHANGHAI)-QINGDAO BRANCH

ANDERSON ZHANG
MANAGER- HARDLINE & TOY OPERATION

RESULTS:

APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the Age Determination Guidelines of the Consumer Product Safety Commission (CPSC); and the ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety". Annex A1
Note : The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing. Note : If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.

USE AND ABUSE TESTS

The samples were undergo the tests in accordance with section 8.6 through 8.16, whichever is applicable		
Test	**Test Parameters**	**Standard Reference**
Torque	4-in-lbs	1500.53(e)
Tension	15 lbs	1500.53(f)
Seam tension	15 lbs	1500.53(f)(ii)
Compression	30 lbs	1500.53(g)

RESULTS:

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-17)

Section	Requirement	Result
4.1	Material Quality	M
4.3.7	Stuffing Materials	M
4.5	Sound-Producing Toys	NA
4.6	Small Objects	NA
4.7	Accessible Edges	M
4.8	Projections	M
4.9	Accessible Points	M
4.10	Wires and Rods	NA
4.11	Nails and Fasteners	M
4.12	Plastic Film	M
4.13	Folding Mechanisms and Hinges	NA
4.14	Cords, Straps and Elastics	NA
4.15	Stability and Over-Load Requirements	M
4.16	Confined Spaces	NA
4.17	Wheels, Tires, and Axles	M
4.18	Holes, Clearances and Accessibility of Mechanisms	M
4.19	Simulated Protective Devices	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 (exclude Section 4.25.10 Battery-powered ride-on toys & Section 4.25.11 Toys that Contain Secondary Cells or Secondary Batteries)	NA
4.26	Toys Intended to be Attached to a Crib or Playpen	NA
4.27	Stuffed and Beanbag-Type Toys	M
4.30	Toy Gun Marking	NA
4.32	Certain Toys with Nearly Spherical Ends	NA
4.34	Small Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	Yo Yo Elastic Tether Toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding Materials	NA

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section

RESULTS:

LABELING AND INSTRUCTIONAL REQUIREMENT (ASTM F963-17)

Section	Requirement	Result
5.4 & 5.3	Aquatic Toys	NA
5.5 & 5.3	Crib and Playpen Toys	NA
5.6 & 5.3	Mobiles	NA
5.7 & 5.3	Stroller and Carriage Toys	NA
5.8 & 5.3	Toys Intended to be Assembled by an Adult	NA
5.9 & 5.3	Simulated Protective Devices	NA
5.10 & 5.3	Toys with Functional Sharp Edges or Sharp Points	NA
5.11	Small Objects, Small Balls, Marbles and Balloons (16 CFR 1500.19)	NA
5.12	Toy Caps (16CFR1500.86)	NA
5.13	Art Materials (16 CFR 1500.14(b)(8))	NA
5.15	Battery-Operated Toys (exclude 5.15.1 and 5.15.2)	NA
5.15.1 & 5.3	Battery-Powered Ride-On Toys	NA
5.15.2 & 5.3	Button or Coin Cell Batteries	NA
5.16	Promotional Materials	NA
5.17 & 5.3	Magnets	NA
6.1	Definition and Description	NA
6.2	Crib and Playpen Toys	NA
6.3	Mobiles	NA
6.4 & 5.3	Toys Intended to be Assembled by an Adult	NA
6.5	Battery-Operated Toys	NA
6.6	Battery-Powered Ride-On Toys	NA
6.7	Toys in Contact with Food	NA
7.1	Producer's Name and Address	NA
7.2	Battery-Powered Ride-on Toys	NA

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section

FLAMMABILITY (16 CFR SECTION 1500.3(c)6)(vi))

Requirement	Test Method Reference	Findings
Burn rate no greater than 0.1 of an inch per second	16 CFR 1500.44	Ignited but Self-Extinguished

RESULTS:

TOTAL HEAVY METALS CONTENT - INITIAL ANALYSIS FOR SOLUBLE HEAVY METALS CONTENT IN SURFACE COATING (ASTM F963-17, Section 4.3.5.1(2))

Test Method: ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Sample Identity	Color	Location	Style
I009	Iridescent coating on fabric	Printing	1,2,3,4,5,6
I010	Iridescent coating on fabric new	Printing	1,2,3,4,5,6
I037	Cream yellow coating on metal	Back	1
I053	Blue/ white coating on fabric	Inner of head printed label	1,2,3,4,5,6
I062	Red-brown coating on metal	Under of footstep	1
I086	Brown coating on metal	Body	2
I092	Black / white / red coating on fabric	Side of legs printed label	1,2,3,4,5,6
I093	Blue/red/white coating on fabric	Horse back printed label	1,2,3,4,5,6
I111	White coating on metal	Zipper	4,5,6
I113	Iridescent coating on fabric	Body	4,5,6
I130	White coating on metal new	Zipper	4,5,6

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	
Max. Limit (mg/kg)	25	1000	75	60	60	90	60	500	

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion
Sample	Result (mg/kg)								
I009	ND	47.0	ND	42.2	ND	ND	ND	ND	Pass
I010	ND	ND	ND	ND	ND	ND	ND	ND	Pass
I037	ND	ND	ND	ND	ND	ND	ND	ND	Pass
I053	ND	73.0	ND	16.2	ND	ND	23.8	ND	Pass
I062	ND	6680	ND	ND	ND	ND	ND	ND	Data
I086	ND	248	ND	16.4	ND	ND	ND	ND	Pass
I092	ND	59.6	ND	ND	ND	ND	53.6	ND	Pass
I093	ND	120	ND	ND	ND	ND	22.5	ND	Pass
I111	ND	55.6	ND	ND	ND	ND	ND	ND	Pass
I113	ND	42.7	ND	ND	ND	ND	71.7	ND	Data
I130	ND	427	ND	ND	ND	60.8	ND	ND	Pass

mg/kg = milligrams per kilogram (ppm=parts per million)
ND = None Detected
As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Hg = Mercury, Pb = Lead, Sb = Antimony, Se = Selenium
Detected limit (mg/kg): As, Cr & Hg= 10; Ba & Se=40; Cd, Pb & Sb=20

RESULTS:

Remark:
1.On an initial analysis for soluble heavy metals content, any component of greater than 80% of the set limit, the result is inconclusive for the requirement and therefore were retested with soluble heavy metals analysis of ASTM F963-17, Sections 8.3.2 to 8.3.4 as specified in Section 8.3.1.3. The result herein is for reference only (show Data), please refer to soluble heavy metals content analysis for the corresponding conclusive results.
2. The received sample(s) contained non-scrapable surface coating material(s)<silvery iridescent coating on I062,I113,I130 silvery coating on fabric, pink coating on fabric>, therefore such coating material(s) was not subject to the heavy metals analysis of ASTM F963-17, "Standard consumer safety specification on toy safety", Section 4.3.5.1(b) and 4.3.5.2, as specified in Section 8.3.3.6(2) and Section 8.3.5.3(2).

SOLUBLE HEAVY METALS CONTENT IN SURFACE COATING (ASTM F963-17, Section 4.3.5.1(2))

Test Method: ASTM International Standard ASTM F963-17, Section 8.3.2 to 8.3.4

Sample Identity	Color	Location	Style
I062	Red-brown coating on metal	Under of footstep	1
I113	Iridescent coating on fabric	Body	4,5,6

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	
Maximum Limit (mg/kg)	25	1000	75	60	60	90	60	500	
Analytical Correction	60%	30%	30%	30%	50%	30%	60%	60%	

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Mass of Trace Amount	Conclusion
Sample	Result (mg/kg)								(g)	
I062	ND	323	ND	ND	ND	ND	ND	ND	-	Pass
I113	ND	ND	ND	ND	ND	ND	ND	ND	0.0359	Pass

LT = Less Than
CR = adjusted analytical result
mg/kg = milligrams per kilogram (ppm=parts per million)
** = Average of duplicate analysis*
Detection limit (mg/kg): Pb = 9.0, Ba = 100, Cd =

As = Arsenic, Ba = Barium, Cd = Cadmium,
Cr = Chromium, Hg = Mercury, Pb = Lead,
Sb = Antimony, Se = Selenium

RESULTS:

TOTAL HEAVY METALS CONTENT – INITIAL ANALYSIS FOR SOLUBLE HEAVY METALS CONTENT IN SUBSTRATE (ASTM F963-17, Section 4.3.5.2(2)(b))

Test Method: ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Sample Identity	Color	Location	Style
Type I: Substrate other than modeling clay			
I018	Dark purple plastic pulling teeth	Pulling teeth	1,2,3
I023	Orange plastic handle	Handle	1
I024	Orange plastic handbrake	Handle	1
I025	White plastic handle	Handle	1
I030	Red-brown leatheroid	Feet	1,2
I033	Cream yellow beige plastic tooths	Back	1
I038	White non-woven fabric	Inner of head	1
I039	Transparent double-hole plastic	Inner of head	1
I040	Black plastic rolled strip	Inner of head	1
I044	Black plastic thread	Inner of head	1
I045	White plastic buckle	Inner of neck	1
I046	White plastic fixing ring	Inner of neck	1
I048	White foam	Inner of body	1
I058	Clear plastic gasket	Under of holder joint	1
I059	Clear plastic gasket new	Under of holder joint	1
I060	Black plastic cover	Under of footstep	1
I061	Black plastic cover new	Under of footstep	1
I068	White plastic footrests	Under of footstep	1
I069	Transparent plastic film	Pedal cover	1
I074	White plastic inner wheels	Wheels	1
I075	Black plastic outer wheels	Wheels	1
I085	Brown zipper	Body	2
I087	Brown small zipper	Car saddle	2
I101	Black small pulling teeth	Car saddle	3
I103	Right black leatheroid	Feet	3
I109	White pulling teeth	Body	4,5,6
I110	White small zipper	Car saddle	4,5,6
I127	Black plastic car saddle	Car saddle	1
I128	White sponge	Car saddle	1

RESULTS:

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	
Max. Limit Type I (mg/kg)	25	1000	75	60	60	90	60	500	
Max. Limit Type II (mg/kg)	25	250	50	25	25	90	60	500	

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion
Sample	Result (mg/kg)								
I018+I023+I024	ND	ND	ND	ND	ND	ND	ND	ND	Pass
I025+I033	ND	ND	ND	ND	ND	ND	52.7	ND	Data
I030+I103	ND	21.6	ND	ND	ND	ND	ND	ND	Pass
I038+I039+I040	ND	18.4	ND	ND	ND	ND	ND	ND	Pass
I044+I045+I046	ND	ND	ND	ND	ND	ND	ND	ND	Pass
I048+I058+I059	ND	13.4	ND	ND	ND	ND	ND	ND	Pass
I060+I061+I068	ND	ND	ND	ND	ND	ND	ND	ND	Pass
I069+I074+I075	ND	67.4	ND	ND	ND	15.8	ND	ND	Pass
I085+I087+I101	ND	12.2	ND	ND	ND	ND	58.6	ND	Data
I109+I110	ND	ND	ND	ND	ND	ND	77.4	ND	Data
I127+I128	ND	14.4	ND	ND	ND	ND	ND	ND	Pass

mg/kg = milligrams per kilogram (ppm=parts per million) As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium,
ND = None Detected Hg = Mercury, Pb = Lead, Sb = Antimony, Se = Selenium
Detection limit (mg/kg): As = 16, Sb = 30, Se = 50, other elements =10
Remark:
On an initial analysis for soluble heavy metals content, any individually tested component of greater than the set limit or any composite tested components of greater than 80% of the set limit, the result is inconclusive for the requirement and therefore were retested with soluble heavy metals analysis of ASTM F963-17, Sections 8.3.5 (excluding 8.3.5.5(3)) as specified in Section 8.3.1.3. The result herein is for reference only (show data), please refer to soluble heavy metals content analysis for the corresponding conclusive result.

RESULTS:

SOLUBLE HEAVY METALS CONTENT IN SUBSTRATE (ASTM F963-17, Section 4.3.5.2(2)(b))

Test Method:ASTM International Standard ASTM F963-17, Section8.3.5 (Excluding 8.3.5.5(3))

Sample Identity	Color	Location	Style
Type I: Substrate other than modeling clay			
I001	Light brown plush fabric with dark brown iridescent embroidery thread	Eyes	1
I002	White plush fabric	Top of head/body	1,3,4,5,6
I003	Light brown short plush fabric	Inner of ears/clothes/inside clothes	1
I004	Black short plush fabric	Nostril/mouth/inner of feet	1,2,3,4,5,6
I005	Red brown woven tape	Head/back	1
I006	Orange Velcro loop	Red brown	1
I007	Orange Velcro hook	After red brown woven fabric	1
I011	Red brown fabric without coating	Body	1
I012	White felt	Body red brown fabric reverse side	1
I013	Red brown hemming fabric	Body bordure	1
I014	Red brown sewing thread	Seam	1
I015	Brown sewing thread	Zipper ，seam zipper ，seam	1,2
I016	White sewing thread	Seam	1,2,3,4,5,6
I017	Dark purple pulling teeth fabric	Pulling teeth	1,2,3
I022	Long brown plush fabric	Hair/tail	1
I025	White plastic handle	Handle	1
I031	Dark brown edging	Feet	1
I032	Cream yellow zippper teeth fabric	Back	1
I033	Cream yellow beige plastic tooths	Back	1
I044	Black plastic thread	Inner of head	1
I049	White filled cotton	Inner of body	1
I054	White fabric without coating	Inner of head printed label	1,2,3,4,5,6
I062	Red-brown coating on metal	Under of footstep	1
I076	Brown velvet with iridescent embroidery thread	Body	2
I077	Dark brown long plush fabric	Hair/tail	2
I078	Blue fabric without coating	Body	2
I079	Blue woven fabric	Body	2
I080	Light blue bordure fabric	Body	2
I081	Blue sewing thread	Blue fabric seam	2
I082	White hook and loop fasteners Velcro loop	Body	2,3,4,5,6
I083	White hook and loop fasteners Velcro hook	Body	2,3,4,5,6
I084	Brown zipper fabric	Body	2
I085	Brown zipper	Body	2
I087	Brown small zipper	Car saddle	2
I091	Light red brown short plush fabric	Clothes inside	2

RESULTS:

I094	Black plush fabric with iridescent thread	Body	3
I095	Black long plush fabric	Hair/tail	3
I096	Yellow fabric without coating	Body	3
I097	Yellow wrapped edges fabric	Body	3
I098	Yellow sewing thread	Body	3
I099	Yellow woven fabric	Body	3
I100	Black small pulling teeth fabric	Car saddle	3
I101	Black small pulling teeth	Car saddle	3
I102	Black sewing thread	Seam	3
I104	Black bordure fabric	Feet	3
I105	White plush fabric with blue embroidery thread	Body	4,5
I106	White short plush fabric	Inner of ears/inside	4,5
I107	Light pink long plush fabric	Hair/tail	4,6
I108	White zipper fabric	Body	4,5,6
I109	White pulling teeth	Body	4,5,6
I110	White small zipper	Car saddle	4,5,6
I112	Pink fabric with iridescent print	Body	4
I113	Iridescent coating on fabric	Body	4,5,6
I114	Pink sewing thread	Seam	4
I115	Light purple long plush fabric	Hair/tail	5
I116	Purple fabric with iridescent print	Body	5
I117	Purple sewing thread	Seam	5
I118	Grey plush fabric	Nostril	4,5,6
I119	White iridescent plush fabric with blue iridescent embroidery thread	Body	6
I120	Yellow fabric with iridescent print	Body	6
I121	Blue fabric with print	Body	6
I122	Dark grey plush fabric	Mouth	6
I123	Blue sewing thread	Seam	6
I124	Red fabric with colourful print	Inner of ears/feet	6
I125	Green fabric with colourful print	Feet	6

RESULTS:

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	
Max. Limit Type I (mg/kg)	25	1000	75	60	60	90	60	500	
Max. Limit Type II (mg/kg)	25	250	50	25	25	90	60	500	
Analytical Correction	60%	30%	30%	30%	50%	30%	60%	60%	

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Mass of Trace Amount	Conclusion
Sample	Result (mg/kg)								(g)	
I001	ND	ND	ND	ND	ND	-	ND	ND	0.0604	Pass
I002	ND	ND	ND	ND	ND	-	ND	ND	0.0362	Pass
I003	ND	ND	ND	ND	ND	-	ND	ND	0.0296	Pass
I004	ND	ND	ND	ND	ND	-	ND	ND	0.0208	Pass
I005	ND	ND	ND	ND	ND	-	ND	ND	0.0587	Pass
I006	ND	ND	ND	ND	ND	-	ND	ND	0.0282	Pass
I007	ND	ND	ND	ND	ND	-	ND	ND	0.0313	Pass
I011	ND	ND	ND	ND	ND	-	ND	ND	0.0568	Pass
I012	ND	ND	ND	ND	ND	-	ND	ND	0.0578	Pass
I013	ND	ND	ND	ND	ND	-	ND	ND	0.0568	Pass
I014	ND	ND	ND	ND	ND	-	ND	ND	0.0130	Pass
I015	ND	ND	ND	ND	ND	-	ND	ND	0.0186	Pass
I016	ND	ND	ND	ND	ND	-	ND	ND	0.0193	Pass
I017	ND	ND	ND	ND	ND	-	ND	ND	0.0492	Pass
I022	ND	ND	ND	ND	ND	-	ND	ND	0.0319	Pass
I025	ND	ND	ND	ND	ND	ND	ND	ND	0.0538	Pass
I031	ND	ND	ND	ND	ND	-	ND	ND	0.0693	Pass
I032	ND	ND	ND	ND	ND	-	ND	ND	0.0531	Pass
I033	ND	ND	ND	ND	ND	ND	ND	ND	0.0327	Pass

RESULTS:

I044	ND	ND	ND	ND	ND	-	ND	ND	0.0147	Pass
I049	ND	ND	ND	ND	ND	-	ND	ND	0.0977	Pass
I054	ND	ND	ND	ND	ND	-	ND	ND	0.0307	Pass
I062	ND	323	ND	ND	ND	-	ND	ND	-	Pass
I076	ND	ND	ND	ND	ND	-	ND	ND	-	Pass
I077	ND	ND	ND	ND	ND	-	ND	ND	0.0572	Pass
I078	ND	ND	ND	ND	ND	-	ND	ND	0.0790	Pass
I079	ND	ND	ND	ND	ND	-	ND	ND	0.0695	Pass
I080	ND	ND	ND	ND	ND	-	ND	ND	0.0339	Pass
I081	ND	ND	ND	ND	ND	-	ND	ND	0.0203	Pass
I082	ND	ND	ND	ND	ND	-	ND	ND	0.0289	Pass
I083	ND	ND	ND	ND	ND	-	ND	ND	0.0291	Pass
I084	ND	ND	ND	ND	ND	-	ND	ND	0.0629	Pass
I085	ND	ND	ND	ND	ND	ND	ND	ND	0.0748	Pass
I087	ND	ND	ND	ND	ND	ND	ND	ND	0.0505	Pass
I091	ND	ND	ND	ND	ND	-	ND	ND	0.0194	Pass
I094	ND	ND	ND	ND	ND	-	ND	ND	0.0873	Pass
I095	ND	ND	ND	ND	ND	-	ND	ND	0.0278	Pass
I096	ND	ND	ND	ND	ND	-	ND	ND	0.0519	Pass
I097	ND	ND	ND	ND	ND	-	ND	ND	0.0472	Pass
I098	ND	ND	ND	ND	ND	-	ND	ND	0.0337	Pass
I099	ND	ND	ND	ND	ND	-	ND	ND	0.0933	Pass
I100	ND	ND	ND	ND	ND	-	ND	ND	0.0742	Pass
I101	ND	ND	ND	ND	ND	ND	ND	ND	0.0625	Pass
I102	ND	ND	ND	ND	ND	-	ND	ND	0.0261	Pass
I104	ND	ND	ND	ND	ND	-	ND	ND	0.0603	Pass
I105	ND	ND	ND	ND	ND	-	ND	ND	0.0610	Pass
I106	ND	ND	ND	ND	ND	-	ND	ND	0.0472	Pass
I107	ND	ND	ND	ND	ND	-	ND	ND	0.0428	Pass
I108	ND	ND	ND	ND	ND	-	ND	ND	0.0627	Pass

RESULTS:

I109	ND	323	ND	ND	ND	ND	ND	ND	-	Pass
I110	ND	ND	ND	ND	ND	ND	ND	ND	-	Pass
I112	ND	ND	ND	ND	ND	-	ND	ND	-	Pass
I113	ND	ND	ND	ND	ND	-	ND	ND	0.0359	Pass
I114	ND	ND	ND	ND	ND	-	ND	ND	0.0276	Pass
I115	ND	ND	ND	ND	ND	-	ND	ND	0.0396	Pass
I116	ND	ND	ND	ND	ND	-	ND	ND	0.0343	Pass
I117	ND	ND	ND	ND	ND	-	ND	ND	0.0305	Pass
I118	ND	ND	ND	ND	ND	-	ND	ND	0.0235	Pass
I119	ND	ND	ND	ND	ND	-	12.1	ND	0.0995	Pass
I120	ND	ND	ND	ND	ND	-	ND	ND	0.0539	Pass
I121	ND	ND	ND	ND	ND	-	ND	ND	0.0272	Pass
I122	ND	ND	ND	ND	ND	-	ND	ND	0.0765	Pass
I123	ND	ND	ND	ND	ND	-	ND	ND	0.0259	Pass
I124	ND	ND	ND	ND	ND	-	ND	ND	0.0269	Pass
I125	ND	ND	ND	ND	ND	-	ND	ND	0.0598	Pass

mg/kg = milligrams per kilogram (ppm=parts per million)
ND = None Detected
As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Hg = Mercury, Pb = Lead, Sb = Antimony, Se = Selenium
Detection limit (mg/kg): Pb = 9.0, Ba = 100, Cd = 7.5, Cr = 6.0, As = 2.5, Hg = 6.0, Sb = 6.0, Se = 50.0

Remark: Textiles (natural or synthetic) are exempted for lead content requirement according to clarification of Toy Industry Association for ASTM F963-17.

RESULTS:

TOTAL LEAD CONTENT IN SURFACE COATING (''Ban of Lead-containing paint and certain consumer products bearing Lead-containing paint'', Consumer Product Safety Improvement Act (CPSIA) of 2008)

Test Method: U.S. CPSC-CH-E1003.09.1: 2011

Analyte	Lead	
Requirement: Maximum allowable limit:	90 mg/kg	

Analyte				Lead (Pb)	Conclusion
Sample Description				Result (mg/kg)	
	Color / Component	Location	Style		
I009	Iridescent coating on fabric	Printing	1,2,3,4,5,6	ND	Pass
I010	Iridescent coating on fabric new	Printing	1,2,3,4,5,6	ND	Pass
I037	Cream yellow coating on metal	Back	1	ND	Pass
I053	Blue/ white coating on fabric	Inner of head printed label	1,2,3,4,5,6	ND	Pass
I062	Red-brown coating on metal	Under of footstep	1	ND	Pass
I086	Brown coating on metal	Body	2	57.0	Pass
I092	Black / white / red coating on fabric	Side of legs printed label	1,2,3,4,5,6	ND	Pass
I093	Blue/red/white coating on fabric	Horse back printed label	1,2,3,4,5,6	ND	Pass
I111	White coating on metal	Zipper	4,5,6	ND	Pass
I113	Iridescent coating on fabric	Body	4,5,6	ND	Pass
I130	White coating on metal new	Zipper	4,5,6	ND	Pass

ND = None detected (with detection limit: 10 mg/kg) *mg/kg =milligrams per kilogram (ppm=parts per million)*
** = Average of duplicate analyses*

RESULTS:

TOTAL LEAD CONTENT IN SUBSTRATE (100PPM) (Consumer Product Safety Improvement Act (CPSIA) of 2008)

Test Method: U.S. CPSC-CH-E1001-08.1 (June 21, 2010) or U.S. CPSC-CH-E1002-08.1 (June 21, 2010).

Analyte	Lead	
Requirement: Maximum allowable limit:	100 mg/kg	

Analyte				Lead (Pb)	Conclusion
Sample Description				Result (mg/kg)	
	Color / Component	Location	Style		
I008	Silvery metals circle connecting ring	Head weaving bag	1	30.9	Pass
I019	Gray pull tabs	Pulling teeth	1,2,3,4,5,6	51.6	Pass
I020	Gray nose	Pulling teeth	1,2,3,4,5,6	ND	Pass
I021	Gray pull tab seat	Pulling teeth	1,2,3,4,5,6	18.1	Pass
I026	Large silvery metals nut	Under of handle	1	28.5	Pass
I027	Small silvery metals screws	Under of handle	1	43.1	Pass
I028	Silvery metals snail	Upper of handle	1	19.8	Pass
I029	Large silvery metals screws	Upper of handle	1	10.7	Pass
I034	Silvery pull tabswithout coating	Back	1,2	14.6	Pass
I035	Silvery nose without coating	Back	1,2	78.3	Pass
I036	Silvery pull tab without coating	Back	1,2	16.0	Pass
I041	Silvery metals t-shaped long tube	Inner of head	1	19.8	Pass
I042	Large silvery screws	Inner of head	1	27.3	Pass
I043	Large silvery nut	Inner of head	1	22.3	Pass
I047	Silvery long tube	Inner of neck	1	ND	Pass
I050	Silvery medium screw	On the “t” shape tube	1	33.0	Pass
I051	Silvery middle nut	On the “t” shape tube	1	14.7	Pass
I052	Silvery gasket	On the “t” shape tube	1	31.8	Pass
I055	Silvery stand	Inner of body holder	1	16.6	Pass
I056	Silvery screws	Under of	1	20.3	Pass

RESULTS:

		holder joint			
I057	Silvery nuts	Under of holder joint	1	ND	Pass
I064	Silvery pedal bracket without coating	Under of footstep	1	14.1	Pass
I065	Silvery pedal bracket without coating new	Under of footstep	1	ND	Pass
I066	Silvery footstep coating	Under of footstep	1	ND	Pass
I067	Silvery footstep without coating new	Under of footstep	1	53.3	Pass
I070	Silvery tire mount	Wheels	1	ND	Pass
I071	Silvery shaft screws	Wheels	1	ND	Pass
I072	Silvery shaft nut	Wheels	1	ND	Pass
I073	Silvery fixing strip	Wheels	1	11.2	Pass
I088	Silvery small zipper pull without coating	Car saddle	2,3,4	31.5	Pass
I089	Silvery small zipper nose without coating	Car saddle	2,3,4	42.4	Pass
I090	Silvery small zipper solder without coating	Car saddle	2,3,4	29.8	Pass
I126	Silvery connection ring without coating	At the car saddle small zipper	2,3,4	24.2	Pass
I018+I023+I024	Dark purple plastic pulling teeth Orange plastic handle Orange plastic handbrake	Pulling teeth Handle Handle	1,2,3 1 1	ND	Pass
I025+I033	White plastic handle Cream yellow beige plastic tooths	Handle Back	1 1	ND	Pass
I030+I103	Red-brown leatheroid Right black leatheroid	Feet Feet	1,2 3	ND	Pass
I038+I039+I040	White non-woven fabric Transparent double-hole plastic Black plastic rolled strip	Inner of head Inner of head Inner of head	3	ND	Pass
I044+I045+I046	Black plastic thread White plastic buckle White plastic fixing ring	Inner of head Inner of neck Inner of neck	1 1 1	ND	Pass
I048+I058+I059	White foam Clear plastic gasket Clear plastic gasket new	Inner of body Under of holder joint Under of holder joint	1 1 1	ND	Pass
I060+I061+I068	Black plastic cover Black plastic cover new White plastic footrests	Under of footstep Under of footstep Under of footstep	1 1 1	ND	Pass

RESULTS:

I069+I074+I075	Transparent plastic film White plastic inner wheels Black plastic outer wheels	Pedal cover Wheels Wheels	1 1 1	15.8	Pass
I085+I087+I101	Brown zipper Brown small zipper Black small pulling teeth	Body Car saddle Car saddle	2 2 3	ND	Pass
I109+I110	White pulling teeth White small zipper	Body Car saddle	4,5,6 4,5,6	ND	Pass
I127+I128	Black plastic car saddle White sponge	Car saddle Car saddle	1 1	ND	Pass

ND = None detected (with detection limit: 10 mg/kg) mg/kg = milligrams per kilogram (ppm = parts per million)
** = Average of duplicate analyses*

RESULTS:

PHTHALATES CONTENT IN CHILDREN`S TOYS AND CHILD CARE ARTICLES (Consumer Product Safety Improvement Act (CPSIA) of 2008, Section 108(a) and 108(c), 16 CFR 1307)

Test Method: With reference to U. S. CPSC-CH-C1001-09.3 (April 1, 2010).

Sample Identity	Color / Component	Location	Style
I009	Iridescent coating on fabric	Printing	1,2,3,4,5,6
I010	Iridescent coating on fabric new	Printing	1,2,3,4,5,6
I018	Dark purple plastic pulling teeth	Pulling teeth	1,2,3
I023	Orange plastic handle	Handle	1
I024	Orange plastic handbrake	Handle	1
I025	White plastic handle	Handle	1
I030	Red-brown leatheroid	Feet	1,2
I033	Cream yellow beige plastic tooths	Back	1
I037	Cream yellow coating on metal	Back	1
I038	White non-woven fabric	Inner of head	1
I039	Transparent double-hole plastic	Inner of head	1
I040	Black plastic rolled strip	Inner of head	1
I044	Black plastic thread	Inner of head	1
I045	White plastic buckle	Inner of neck	1
I046	White plastic fixing ring	Inner of neck	1
I048	White foam	Inner of body	1
I053	Blue/ white coating on fabric	Inner of head printed label	1,2,3,4,5,6
I058	Clear plastic gasket	Under of holder joint	1
I059	Clear plastic gasket new	Under of holder joint	1
I060	Black plastic cover	Under of footstep	1
I061	Black plastic cover new	Under of footstep	1
I062	Red-brown coating on metal	Under of footstep	1
I068	White plastic footrests	Under of footstep	1
I069	Transparent plastic film	Pedal cover	1
I074	White plastic inner wheels	Wheels	1
I075	Black plastic outer wheels	Wheels	1
I085	Brown zipper	Body	2
I086	Brown coating on metal	Body	2
I087	Brown small zipper	Car saddle	2
I092	Black / white / red coating on fabric	Side of legs printed label	1,2,3,4,5,6
I093	Blue/red/white coating on fabric	Horse back printed label	1,2,3,4,5,6
I101	Black small pulling teeth	Car saddle	3
I103	Right black leatheroid	Feet	3
I109	White pulling teeth	Body	4,5,6
I110	White small zipper	Car saddle	4,5,6
I111	White coating on metal	Zipper	4,5,6
I127	Black plastic car saddle	Car saddle	1
I128	White sponge	Car saddle	1
I129	Iridescent coating	Body	4,5,6
I130	White coating on metal new	Zipper	4,5,6

RESULTS:

Test Parameter:	Listed Phthalates (See Remark)		
Requirement:	Each 0.1%		
Sample ID	Detected Analyte	Concentration (%)	Conclusion
I009	ND	ND	Pass
I010	ND	ND	Pass
I018+I023+I024	ND	ND	Pass
I025+I033+I038	ND	ND	Pass
I030+I103	ND	ND	Pass
I039+I040+I044	ND	ND	Pass
I045+I046+I048	ND	ND	Pass
I063+I063+I086	ND	ND	Pass
I058+I059+I060	ND	ND	Pass
I061+I068+I069	ND	ND	Pass
I074+I075+I085	ND	ND	Pass
I087+I101+I109	DBP	0.00656	Pass
I092	ND	ND	Pass
I093	ND	ND	Pass
I110+I127+I128	ND	ND	Pass
I129	ND	ND	Pass
I037+I111	ND	ND	Pass
I053	ND	ND	Pass
I062	ND	ND	Pass
I130	ND	ND	Pass

Results reported in percentage
ND = None detected
Detection Limit: Each Phthalate (0.005%)

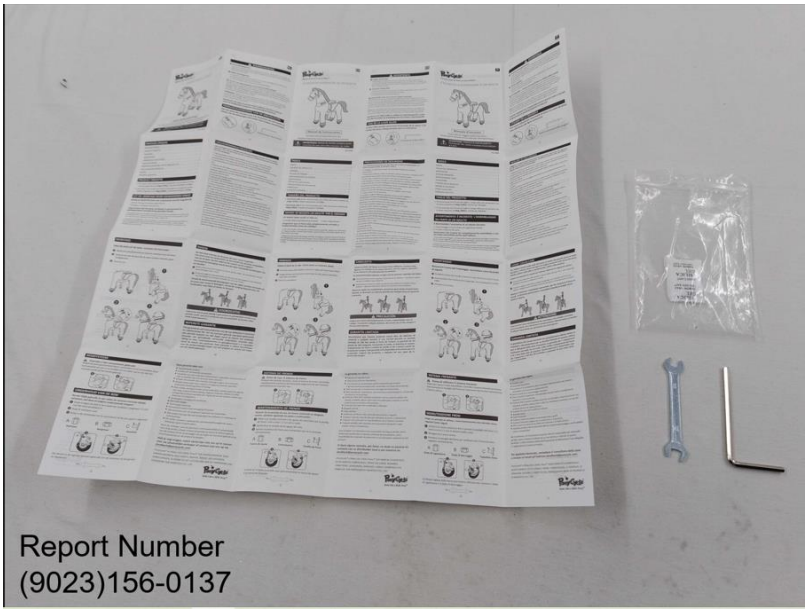
RESULTS:

LIST OF RESTRICTED PHTHALATES		
Number	Chemical Name	CAS Number
1.	Butyl benzyl phthalate (BBP)	85-68-7
2.	Dibutyl phthalate (DBP)	84-74-2
3.	Di(2-ethylhexyl) phthalate (DEHP)	117-81-7
4.	Di-iso-nonyl phthalate (DINP)	28553-12-0 & 68515-48-0
5.	Di-iso-butyl phthalate (DIBP)	84-69-5
6.	Di-n-pentyl phthalate (DPENP or DnPP)	131-18-0
7.	Di-n-hexyl phthalate (DHEXP or DnHP)	84-75-3
8.	Dicyclohexyl phthalate (DCHP)	84-61-7

RESULTS:

EXHIBIT # 1

EXHIBIT # 2



RESULTS:

EXHIBIT # 3

EXHIBIT # 4

RESULTS:

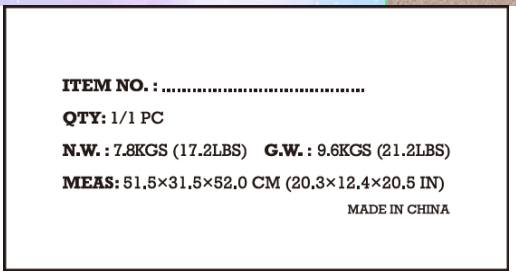
EXHIBIT # 5

EXHIBIT # 6

RESULTS:

EXHIBIT # 7

EXHIBIT # 8



RESULTS:

EXHIBIT # 9

EXHIBIT # 10

ITEM NO. : .....

QTY: 1/1 PC

N.W. : 7.8KGS (17.2LBS) **G.W. :** 9.6KGS (21.2LBS)

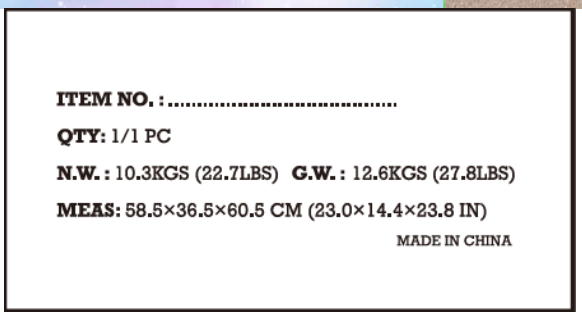
MEAS: 51.5×31.5×52.0 CM (20.3×12.4×20.5 IN)

MADE IN CHINA

RESULTS:

EXHIBIT # 11

EXHIBIT # 12



RESULTS:

EXHIBIT # 13

EXHIBIT # 14

ITEM NO. : .....

QTY: 1/1 PC

N.W. : 10.3KGS (22.7LBS) **G.W. :** 12.6KGS (27.8LBS)

MEAS: 58.5×36.5×60.5 CM (23.0×14.4×23.8 IN)

MADE IN CHINA

RESULTS:

EXHIBIT # 15

End of report