

SAFETY AND COMPLIANCE TESTING FOR KENT INTERNATIONAL

Tested Sample(s)	: Carrier Seat
Brand	: iBert
Model	: safe-T-seat Bicycle Child Carrier Seat
Color	: Green/Orange
Size	: Not Specified
Stock / Model Number	: Not Specified
Country of Origin	: China
Age Grading	: Not Specified
Children's Product	: Yes

Prepared For:

Kent International Inc.
60 East Halsey Road
Parsippany, New Jersey 07054, USA



Issue Date: 20 October 2015

Final Report: 142.0002.001



This document shall not be reproduced except in full without written approval from ACT Lab LLC.

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009.) The Joint Communiqué is available on publications and resources page of the ILAC website at <http://www.ilac.org>. Accreditation listing and certificate can be found at <http://www.iasonline.org>.

Contract File No.: 142.0002
T:\ACT testing\ Kent – 142\142.0002
Control Document Rev. 21 July 2014

Technician: Bruce Wang/Jake Chao

CONCLUSION

Kent, iBert safe-T-seat Bicycle Child Carrier Seat (Green/Orange) (142.0002.001)		
Purpose of Test - Each test performed is intended to check compliance with the following:	Result	Comment
AS/NZS 4287: 1995 Australian/New Zealand Standard-Child carrier seats for pedal bicycles-Safety Requirements	C	
EN14344 Child use and care articles-Child Seats for cycles	C	
ASTM F1625 Standard Specification and Test Method for Rear-Mounted Bicycle Child Carriers	C	
EN71-1:2011: Safety of Toys-Part 1 : Mechanical and Physical properties	C	
CPSC 16 CFR 1500.87 Section 101 "Children's products containing lead; lead paint rule" of the 2008 Consumer Product Safety Improvement Act (CPSIA 2008)	C	
Polycyclic Aromatic Hydrocarbon (PAHs)per EU 76/769/EEC Directive effective April 2008	C	
AZO Dyes Per 2002/61/EC	C	
EN 71 Part 3:2013 Migration of Certain Elements	C	
HR 4040 Section 108 "Prohibition on Sale of Certain Products Containing Specified Phthalates" of the 2008 Consumer Product Safety Act (CPSIA 2008)	C	

President,



John A. Bogler

Contract File No.: 142.0002
T:\ACT testing\ Kent - 142\142.0002
Control Document Rev. 21 July 2014

Technician: Bruce Wang/Jake Chao

DATE AND PLACE OF TEST

Sample(s) received on : 01 December 2014
 Testing was initiated on : 08 December 2014
 Retesting received on : 10 October 2015
 Testing was completed on : 17 October 2015
 Testing was performed at : Taicang ACT Sporting Goods Testing Co., Ltd.
 Taicang City, Suzhou, Jiangsu Province, China

TEST METHODS

Method for each test conducted is as follows:

- AS/NZS 4287:1995 Australian/New Zealand Standard was performed as the Safety requirements.
- EN14344 Child use and care articles-Child Seats for cycles was performed as the Safety Requirements and Test Methods.
- ASTM F1625 Standard Specification and Test Method for Rear-Mounted Bicycle Child Carriers
- CPSC16 CFR1500.87 Section 101 CPSIA 2008 test for lead in non-metals was performed by XRF (X-RAY Fluorescence), per CPSC-CH-E1002-08.1: Screening Portion
- CPSC 16 CFR 1500.87 CPSIA 2008 Section 101 test for lead content in metals was performed by ICP Optical Emission Spectroscopy, per CPSC-CH-E1001-08.2: Determining Total Lead (Pb) in Metal Children's Products (including Children's Metal Jewelry).
- Polycyclic Aromatic Hydrocarbons (PAHs) analysis performed by GC-MS with reference to CPSC-CH-C1001-09.3*Polycyclic.
- AZO Dyes Per 2002/61/EC
- EN71-1:2011: Safety of Toys-Part 1 : Mechanical and Physical properties according to European Standard Requirements Safety of toys and all other standards referenced within.
- Extractable Chromium(VI)& Extractable Chromium (III) – With reference to EN 71 Part 3:2013, analysis was performed by HPLC-ICP-MS.
- Elements – With reference to EN 71 Part 3:2013, analysis was performed by ICP-MS.
- Extractable Organic Tin –With reference to EN71 Part 3:2013, analysis was performed by GC-MS.
- HR 4040 Section 108 was performed by Gas Chromatography-Mass Spectrometry (GC-MS).

TEST RESULTS

The Limited value is based on European Directive 2009/48/EC and its subsequent amendments and EN 71 Part 3: 2013.

Category I: Dry, brittle, powder-like or pliable materials

Category II: Liquid or sticky materials

Category III: Scrapped-off materials

Limited Value for migration of certain elements:

Test Item(s)	Unit	Limited Value		
		Category I	Category II	Category III
Extractable Lead (Pb)	mg/kg	13.5	3.4	160
Extractable Antimony (Sb)	mg/kg	45	11.3	560
Extractable Arsenic (As)	mg/kg	3.8	0.9	47
Extractable Barium (Ba)	mg/kg	1500	375	18750
Extractable Cadmium (Cd)	mg/kg	1.3	0.3	17
Extractable Chromium (III) (Cr III)	mg/kg	37.5	9.4	460
Extractable Chromium (VI)	mg/kg	0.02	0.005	0.2
Extractable Mercury (Hg)	mg/kg	7.5	1.9	94
Extractable Selenium (Se)	mg/kg	37.5	9.4	460
Extractable Boron (B)	mg/kg	1200	300	15000
Extractable Cobalt (Co)	mg/kg	10.5	2.6	130
Extractable Manganese (Mn)	mg/kg	1200	300	15000
Extractable Strontium (Sr)	mg/kg	4500	1125	56000
Extractable Tin (Sn)	mg/kg	15000	3750	180000
Extractable Zinc (Zn)	mg/kg	3750	938	46000
Extractable Copper (Cu)	mg/kg	622.5	156	7700
Extractable Aluminum (Al)	mg/kg	5625	1406	70000
Extractable Nickel (Ni)	mg/kg	75	18.8	930
Extractable Organic Tin	mg/kg	0.9	0.2	12

C: Compliant; Product meets specified standard NC: Non-Compliant; Product does not meet specified standard NA: Not Applicable to this design NR: Not Requested by the Applicant NP: Not Present	ND: None Detected NT: Not Tested FTR: Further Testing Recommended PPM: Parts Per Million •: See Comments
--	---

SAMPLE IDENTIFICATION

Brand:	Kent	Job No.:	142.0002.001
Model:	iBert safe-T-seat Bicycle Child Carrier Seat	ACT ID No.:	142.0002.001(.001a, .001b)
Manufacturer:	Not Specified	Type:	Child Carrier
Stock No.:	Not Specified	Size:	Not Specified
UPC:	Not Specified	Color(s):	Green/Orange
Serial No.:	Not Specified	Weight (kg):	Not Specified
Serial No.:	Not Specified	Country of Origin:	China



142.0002.001 – iBert safe-T-seat Bicycle Child Carrier Seat (Green/Orange)

AS/NZS 4287:1995 Child Carrier Seats For Pedal Bicycles

AS/NZS 4287:1995 Child Carrier Seats For Pedal Bicycles			
Ref. #	Test Description	Result	Observations and Notes
1	MARKING	C	
1.5	PACKAGE LABELLING	NA	
1.6	INSTRUCTIONS FOR ASSEMBLY AND USE	C	
1.6.1	Assembly	C	
1.6.2	Instructions for use	C	
1.7	PLASTIC PACKAGING	NA	
2.1	MATERIALS		
2.1.1	Metals	C	
2.1.2	Plastics	C	
2.1.3	Restraint Webbing	C	
2.1.4	Corrosion Protection	C	
2.2	DESIGN		
2.2.1	Seats and seat supports	NA	This is a front seat, not a rear seat.
2.2.2	Seat location	NA	The seat assembled to the bicycle in a position over the Front wheel
2.2.3	Footrests	C	
2.2.4	Spoke protection	NA	The seat assembled to the bicycle in a position over the Front wheel
2.2.5	Child restraint or harness	C	
2.3	CONSTRUCTION		
2.3.1	Sharp Edges	C	Sharp edges on the base plate, see picture / Revised sample PASS
2.3.2	Fasteners	C	
2.3.3	Open-ended tubes	C	
3.1	SCHEDULE OF TESTING		
3.2	WEBBING TEST		
3.2.1	Resistance to Abrasion	C	
3.2.2	Static Strength after exposure to UV light	C	
3.3	TESTING OF SEAT AND SEAT SUPPORTS		
3.3.1	Static load test	C	
3.3.2	Dynamic tilt test	C	
3.4	SPOKEGUARD PENETRATION TEST	NA	

AS/NZS 4287:1995 Child Carrier Seats For Pedal Bicycles

Ref. #	Test Description	Result	Observations and Notes
3.5	STATIC STRENGTH TEST FOR RESISTAINT STRAPS AND HARNESSES	C	The clamp was slipped. Revised PASS

EN 14344 Child Seats For Cycles

EN 14344 European Standard Child Seats for Bicycle

Ref. #	Test Description	Result	Observations and Notes
4	CLASSIFICATION	C	C15
5.3	ORDER OF TEST	C	
6	CONSTRUCTION	C	
6.1	DIMENSIONS	C	
6.1.1	Seating area and footrest	C	
6.1.1.1	Requirements for seating area and footrest	C	a:258 b:215 c:171 d:125 e:87x140 f:350 g :152 h:206 i:320 j:87
6.1.1.2	Mounting method for measuring instrument	C	
6.1.1.3	Test Method for seating area and footrest	C	
6.1.1.4	Requirement for footrest adjustment	NA	
6.1.1.5	Test method for footrest adjustment	NA	
6.1.2	Center of gravity mark for rear seats	NA	
6.1.2.1	Requirements for the Center of gravity mark for rear seat	NA	
6.1.2.2	Test method for the center of gravity mark for rear seats	NA	
6.2	EDGES, CORNERS AND PROJECTIONS	C	Sharp edges on the base plate, see picture/ Revised sample PASS
6.3	ENTRAPMENT	C	
6.4	SMALL PARTS	C	
6.5	DECALS	C	
6.5.1	Requirements for decals	C	
6.5.2	Test equipment	C	
6.5.3	Test method for decals	NA	Only have a papery decal.
6.5.3.1	Soaking test	NA	Only have a papery decal.
6.5.3.2	Adhesion test	NA	Only have a papery decal.
6.5.3.3	Tension test	NA	Only have a papery decal.
6.5.3.4	Measure the thickness	NA	Only have a papery decal.
7	STRENGTH AND DURABILITY	C	

EN 14344 European Standard Child Seats for Bicycle			
Ref. #	Test Description	Result	Observations and Notes
7.1	REQUIREMENT FOR STRENGTH AND DURABILITY	C	
7.2	MOUNTING METHOD FOR STRENGTH AND DURABILITY	C	
7.3	TEST EQUIPMENT	C	
7.3.1	Loading Pad	C	
7.3.2	Vibration apparatus	C	
7.3.3	Limiting device	C	
7.4	TEST METHODOLOGY FOR STRENGTH AND DURABILITY	C	
7.4.1	High temperature test	C	
7.4.2	Low temperature test	C	
7.4.3	Footrest strength test	C	
7.4.4	Fatigue test	C	
7.4.4.2	Vertical dynamic test	C	
7.4.4.3	Lateral dynamic test	C	
7.4.5	Transverse rigidity test	C	
7.4.5.1	Requirement for transverse rigidity	C	
7.4.5.2	Test method for transverse rigidity test	C	
7.4.6	Backrest dynamic test	C	Use the Frame Vertical Fatigue machine
7.4.6.1	Preparation for backrest dynamic test, mounting method	C	
7.4.6.2	Backrest dynamic test for all seats	C	
7.4.6.3	Backrest dynamic test for rear seats	NA	
8	ATTACHMENT OF THE SEAT TO THE CYCLE	C	
8.1	GENERAL REQUIREMENTS FOR ALL SEATS	C	
8.2	ADDITIONAL REQUIREMENTS FOR REAR SEATS	NA	
8.2.1	Requirements for rear seats attached to luggage carriers	NA	
8.2.2	Test method for rear seats attached to luggage carriers	NA	
8.3	ADDITIONAL REQUIREMENTS FOR FRONT SEATS	C	
9	RESTRAINT SYSTEM	C	
9.1	GENERAL	C	
9.2	EFFECTIVENESS OF RESTRAINT SYSTEM, ROLL-OVER TEST	C	use dolls and rotate by hand
9.3	ATTACHMENT OF RESTRAINT SYSTEM TO THE SEAT	C	Use the Universal Machine to do this test
9.4	STRENGTH OF FASTENERS	C	Use the Universal Machine to do this test

EN 14344 European Standard Child Seats for Bicycle			
Ref. #	Test Description	Result	Observations and Notes
9.5	MIRCO-SLIP AND STRENGTH FO ADJUSTING DEVICES	C	The clamp was slipped at 12kg and more than 25mm/Revised sample PASS
9.6	CLOSURE OF RESTRAINT SYSTEM	C	
9.7	CHILD-PROOF RETENTION	C	41.25N
10	FOOT GUARDING AND RETENTION	NA	
10.1	METHODOLOGY OF FOOT GUARDING	NA	
10.1.1	Wheel contact test	NA	
10.1.2	Integral foot guards	NA	
10.1.3	Strength and durability	NA	
10.2	FOOT RETENTION	NA	
10.2.1	Requirements of footrest	NA	
10.2.2	Requirements for foot retention straps	NA	
11	REQUIREMENTS FOR MATERIAL	NA	
11.1	CHEMICAL HAZARDS	C	
11.2	CORROSION	C	
11.3	DECAY AND INSECT ATTACK	NA	No wood or vegetable
12	MARKING	C	
12.1	GENERAL REQUIREMENTS FOR MARKING	C	
12.2	MARKING REQUIREMENT FOR REAR SEATS	NA	
12.3	MARKING REQUIREMENTS FOR REAR SEAT ATTACHED TO LUGGAGE CARRIERS	NA	
12.4	MARKING, TEST METHOD	C	
13	PURCHASE INFORMATION	C	
13.1	GENERAL REQUIREMENTS FOR PURCHASE INFORMATION	C	Don't display the size of frame mounted seat.
13.2	SPECIFIC PURCHASE INFORMATION	C	
13.2.1	Rear seat for attachments to luggage carrier	NA	
13.2.2	Front seats	C	See it in the Manual.
14	INSTRUCTIONS FOR USE	C	
14.1	GENERAL	C	
14.2	SPECIFIC INSTRUCTIONS FOR INSTALLATION AND USE	C	
14.2.1	Installation	C	
14.2.2	Use	C	

Contract File No.: 142.0002
 T:\ACT testing\ Kent – 142\142.0002
 Control Document Rev. 21 July 2014

Technician: Bruce Wang/Jake Chao

EN 14344 European Standard Child Seats for Bicycle			
Ref. #	Test Description	Result	Observations and Notes
14.2.3	Warnings	C	
14.2.4	Maintenance	C	
14.2.5	Instructions for use for rear seat	NA	
14.2.6	Instructions for use for rear seats for attachments to a luggage carrier	NA	
14.2.7	Instructions for use for front seats	C	

EN 71-1: Safety of Toys

EN 71-1 Safety of Toys-Part1: Mechanical and Physical Properties			
Ref. #	Test Description	Result	Observations and Notes
4.1	Material Cleanliness	C	
4.7	Edges	C	
4.7.a	sharp edge	C	Sharp edges on the base plate, see picture/ Revised sample PASS
4.7.b	overlap joints	NA	
4.7.c	screw heads and fasteners-burrs	C	
4.7.d	if sharp edge, must be a warning	NA	
4.9	Protruding parts	C	
4.10	Parts moving against each other	NA	
4.10.1	Folding and sliding mechanisms	NA	
4.10.2	Driving mechanisms	NA	
4.10.3	Hinges	NA	
4.15	toys intended to bear the mass of a child	C	Limit 17kg
4.15.1	Toys propelled by a child	NA	
4.15.1.2	Warnings	NA	
4.15.1.3	Strength	NA	
4.15.2	Tool bicycles	NA	
4.15.2.1	General	NA	
4.15.2.2	Instructions for use	NA	
4.15.2.3	Seat pillar minimum insertion mark	NA	
4.15.2.4	Braking requirements	NA	
6	Packaging	NA	
7	Warnings, markings and instructions for use	C	
7.1	General	C	

EN 71-1 Safety of Toys-Part1: Mechanical and Physical Properties

<u>Ref. #</u>	<u>Test Description</u>	<u>Result</u>	<u>Observations and Notes</u>
7.2	Toys not intended for children under 36 months	NA	
7.5	Functional toys	NA	
7.6	Hazardous sharp functional edges and points	NA	
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA	
7.10.2	Ride-on toys without a braking device	NA	
7.10.4	Instructions for use	C	
7.15	Toy bicycles	NA	
8.4.2.3	Protective components	C	
8.5	Drop test	C	
8.7	Impact test	C	
8.11	sharp edge	C	Sharp edges on the base plate, see picture/ Revised sample PASS
8.21	Static strength	C	
8.22	Dynamic strength	C	
8.27	Strength of toy scooter steering tubes	NA	
8.26.3	Brake performance for toy scooters	NA	
8.26.3.A3	Material Cleanliness	C	
8.26.3.A4	Assembly	C	
8.26.3.A8	Edges	C	
8.26.3.A10	Protruding parts	C	
8.26.3.A11	Folding and sliding mechanisms	NA	
8.26.3.A12	Driving mechanisms	NA	
8.26.3.A13	Hinges	NA	
8.26.3.A20	toys intended to bear the mass of a child	C	
8.26.3.A33	Warnings, markings and instructions for use	C	
8.26.3.A34	"Warnings for toys not intended for children under 36 months"	NA	
8.26.3.A35	Warnings in connection with functional toys	NA	
8.26.3.A53	Packaging	NA	

ASTM F1625 Rear-Mounted Bicycle Child Carrier

ASTM F1625 Rear-Mounted Bicycle Child Carrier			
Ref. #	Test Description	Result	Observations and Notes
4.1	General	C	This is a front seat, not rear seat.
4.2	Structure	C	
4.2.1	Assembly	C	
4.2.2	Equipment - must have the following	C	
4.2.2.1	Footrest	C	
4.2.2.2	Backrest	C	
4.2.2.3	Armrest	C	
4.2.2.4	Prevent hands and feet from contacting moving parts	C	
4.2.2.5	Belt to secure the child to the seat	C	
4.2.3	Attachments	C	
4.2.4	Test Criteria	C	
4.3	Security of Seat Assembled to Bicycle	C	
4.3.1	Secondary retention	C	
4.3.2	Child carriers that do not attach directly to the seat tube	C	
4.4	Dimensions	C	
4.4.1	Interior of the carrier seating area shall be adequate	C	
4.4.2	Backrest must have a minimum height of 350mm	NA	This is a front seat, not rear seat.
4.4.3	Armrest must be high enough to keep the child stable	C	
4.5	Materials	C	
4.5.1	Plastics shall be stabilized against UV and ozone	C	
4.5.2	Protected against corrosion - Salt Spray B 117	C	
5	Environmental Temperature Test	C	
5.1	General	C	
5.2	Resistance to High Temperatures	C	
5.3	High Temperature Drop Test	C	
5.4	Low-Temperature Resistance	C	
5.5	Low Temperature Drop Test	C	
6	Strength of Dynamic Load tests	C	
6.2	Vertical Vibration Test	C	
6.4	Lateral Vibration Test	C	
7	Additional Test	C	
7.1	Flammability	C	

ASTM F1625 Rear-Mounted Bicycle Child Carrier			
Ref. #	Test Description	Result	Observations and Notes
7.2	Sharp Points	C	
7.3	Sharp Edges	C	Sharp edges on the base plate, see picture / Revised sample PASS
7.4	Ambient Drop Test	C	
7.5	Retention System Pull Test	C	
7.6	Retention System Security Test	C	The clamp can't support 45kg retention force. it moved at 12kg. / Revised sample PASS
8	Marking	C	
8.1	General	C	
8.1.1		C	
8.1.1.1	40-lb (18Kg)	C	
8.1.1.2	Name or symbol of the manufacture	C	
8.1.1.3	Uncoded date of the manufacture	C	
8.1.1.4	Warning makes bike unbalanced	C	
8.1.1.5	Caution do not ride in bad weather	C	
8.1.1.6	Caution rider and child should wear a helmet	C	
8.1.1.7	Caution only children that can hold their heads up	C	
9	Instructions	C	
9.1	General	C	
9.2	Specific instructions	C	
9.2.1	The following items need the word "CAUTION"	C	
9.2.1.1	How the carrier is attached to the bike	C	
9.2.1.2	Bike must be in good working condition	C	
9.2.1.3	Tighten fasteners securely	C	
9.2.1.4	Do not carry child that is too young to sit	C	
9.2.1.5	Make sure child doesn't exceed weight limit	C	
9.2.1.6	Additional luggage should not be attached to the carrier	C	
9.2.1.7	Make no modifications to the carrier	C	
9.2.1.8	Do not allow contact with moving parts of the bike	C	
9.2.1.9	Always attach the retention system	C	
9.2.1.10	When no child is in the carrier, fasten retention system	C	
9.2.1.11	Ensure rider and child are wearing approved helmets	C	
9.2.1.12	Never ride in bad weather	C	
9.2.1.13	The load of the child carrier will effect the steering of the bicycle	C	

ASTM F1625 Rear-Mounted Bicycle Child Carrier			
Ref. #	Test Description	Result	Observations and Notes
9.2.1.14	Never leave a child unattended in the carrier	C	
9.2.1.15	Never leave a child unattended in the carrier with the bicycle supported only by a kickstand	C	
9.2.1.16	The rear reflector must be visible	C	
9.2.1.17	Make sure the carrier doesn't interfere with the brakes	C	
9.2.1.18	Never ride at night without adequate lighting	C	
9.2.1.19	Always remove the carrier from the bike when transporting the bike on a car	C	
9.2.1.20	Care must be taken when getting on and off the bike	C	
9.2.1.21	WARNING! Failure to comply with manufacturer's instructions can lead to serious injury or death	C	

CHEMICAL: SUBSTRATE NON-METALS (LEAD)

CPSC 16 CFR 1500.87 SECTION 101 CPSIA 2008: LEAD (XRF) Non-Metals Compliance Criteria: <100 PPM (0.01%) Lead 142.0002.001.a				
Sample ID	Description	Color	ppm	Result
15	2	-	ND	C
16	3	-	ND	C
17	4	-	ND	C
18	5	-	ND	C
19	6	-	ND	C
20	7	-	ND	C
21	8	-	ND	C
22	9	-	ND	C
23	10	-	ND	C
24	11	-	ND	C
25	12	-	ND	C
26	13	-	ND	C
27	14	-	ND	C
28	15	-	ND	C
29	16	-	ND	C
30	17	-	ND	C

CPSC 16 CFR 1500.87 SECTION 101 CPSIA 2008: LEAD (XRF)
Non-Metals Compliance Criteria: <100 PPM (0.01%) Lead
142.0002.001.b

<u>Sample ID</u>	<u>Description</u>	<u>Color</u>	<u>ppm</u>	<u>Result</u>
15	18	-	ND	C
16	19	-	ND	C
17	20	-	ND	C
18	21	-	ND	C
19	22	-	ND	C
20	23	-	ND	C
21	24	-	ND	C
22	25	-	ND	C
23	26	-	ND	C
24	27	-	ND	C
25	28	-	ND	C
26	29	-	ND	C
27	30	-	ND	C
28	31	-	ND	C
29	32	-	ND	C
30	33	-	ND	C

CHEMICAL: SUBSTRATE METALS (LEAD)

CPSC 16 CFR 1500.87 SECTION 101 CPSIA 2008: LEAD (ICP)
Metals Compliance Criteria: <100 PPM (0.01%) Lead
142.0002.001.a

<u>Sample ID</u>	<u>Description</u>	<u>Color</u>	<u>ppm</u>	<u>Result</u>
20150716-1	1	-	38.49	C
20150716-2	2	-	42.15	C
20150716-3	3	-	49.83	C
20150716-4	4	-	<1	C
20151012-9	5	-	<1	C
20150716-6	6	-	<1	C
20150716-7	7	-	35.85	C
20151012-10	8	-	<1	C
20150716-9	9	-	39.80	C
20150716-10	10	-	39.40	C
20150716-11	11	-	47.27	C
20150716-12	12	-	40.56	C
20150716-13	13	-	38.42	C
20150716-14	14	-	35.44	C

Polycyclic Aromatic Hydrocarbons (PAHs) per EU76/769/EEC Directive

Polycyclic Aromatic Hydrocarbons (PAHs) per EU76/769/EEC Directive					
Test Items	Unit	MDL	Test Results		Results
			1#	2#	
Naphthalene	mg/kg	0.2	ND	ND	C
Acenaphthylene		0.2	ND	ND	C
Acenaphthene		0.2	ND	ND	C
Fluorene		0.2	ND	ND	C
Phenanthrene		0.2	ND	ND	C
Anthracene		0.2	ND	ND	C
Fluoranthene		0.2	ND	ND	C
Pyrene		0.2	0.4	ND	C
Benzo[a]anthracene		0.2	ND	ND	C
Chrysene		0.2	ND	ND	C
Benzo[b]fluoranthene		0.2	ND	ND	C
Benzo[k]fluoranthene		0.2	ND	ND	C
Benzo[a]pyrene		0.2	ND	ND	C
Indeno[1,2,3-cd]pyrene		0.2	ND	ND	C
Dibenzo[a,h]anthracene		0.2	ND	ND	C
Benzo[g,h,i]perylene		0.2	ND	ND	C
Benzo[j]fluoranthene		0.2	ND	ND	C
Benzo[e]pyrene		0.2	ND	ND	C
Sum of 18 PAHs		---	0.4	ND	C

AZO Dyes per 2002/61/EC

Test Items		MDL (mg/kg)	Test Results (mg/kg)	
CAS NO.	prohibitive aromatic amines		3#	4# [▲]
92-67-1	4-Aminobiphenyl	5	N.D.	N.D.
92-87-5	Benzidine	5	N.D.	N.D.
95-69-2	4-Chloro-o-toluidine	5	N.D.	N.D.
91-59-8	2-Naphthylamine	5	N.D.	N.D.
97-56-3	O-Aminoazotoluene	5	N.D.	N.D.
99-55-8	5-nitro-o-toluidine	5	N.D.	N.D.
106-47-8	4-Chloroaniline	5	N.D.	N.D.
615-05-4	4-methoxy-m-phenylenediamine	5	N.D.	N.D.
101-77-9	4,4'-methylenedianiline	5	N.D.	N.D.
91-94-1	3,3'-Dichlorobenzidine	5	N.D.	N.D.
119-90-4	3,3'-Dimethoxybenzidine	5	N.D.	N.D.
119-93-7	3,3'-Dimethylbenzidine	5	N.D.	N.D.
838-88-0	4,4'-methylenedi-o-toluidine	5	N.D.	N.D.
120-71-8	P-Cresidine	5	N.D.	N.D.
101-14-4	4,4'-Methylene-bis-(2-Chloro-aniline)	5	N.D.	N.D.
101-80-4	4,4'-oxydianiline	5	N.D.	N.D.
139-65-1	4,4'-Thiodianiline	5	N.D.	N.D.
95-53-4	O-Toluidine	5	N.D.	N.D.
95-80-7	4-methyl-m-phenylenediamine	5	N.D.	N.D.
137-17-7	2,4,5-Trimethylaniline	5	N.D.	N.D.
60-09-03	4-Aminoazobenzene	5	N.D.	N.D.
90-04-0	O-Anisidine	5	N.D.	N.D.

CHEMICAL: EN71-3 MIGRATION OF CERTAIN ELEMENTS

EN 71 Part 3:2013 MIGRATION OF CERTAIN ELEMENTS 142.0002.001 – iBert safe-T-seat Bicycle Child Carrier Seat (Green/Orange)					
	Component	Color		Component	Color
#1	Plastic	Green	#3	Pad	Orange
#2	Plastic	Black	#4	Tape	-

EN 71 Part 3:2013 MIGRATION OF CERTAIN ELEMENTS 142.0002.001 – iBert safe-T-seat Bicycle Child Carrier Seat (Green/Orange)							
Test Item(s)	MDL	Mg/kg				Category III Criteria	Result
		1#	2#	3#	4#		
Extractable Lead (Pb)	10	<1	<1	<1	<1	160	C
Extractable Antimony (Sb)	10	3.49	<1	5.61	4.12	560	C
Extractable Arsenic (As)	10	<1	<1	<1	<1	47	C
Extractable Barium (Ba)	50	<1	<1	62.96	3.75	18750	C
Extractable Cadmium (Cd)	10	<1	<1	<1	<1	17	C
Extractable Chromium (III) (Cr III)	5	<1	<1	<1	<1	460	C
Extractable Chromium (VI)(Cr VI)	0.2	<1	<1	<1	<1	0.2	C
Extractable Mercury (Hg)	10	<1	1.25	<1	<1	94	C
Extractable Selenium (Se)	10	<1	<1	<1	<1	460	C
Extractable Boron (B)	50	1.13	1.41	1.80	1.66	15000	C
Extractable Cobalt (Co)	10	<1	<1	<1	<1	130	C
Extractable Manganese (Mn)	50	<1	<1	<1	<1	15000	C
Extractable Strontium (Sr)	50	<1	<1	1.91	<1	56000	C
Extractable Tin (Sn)	5	<1	<1	<1	<1	180000	C
Extractable Zinc (Zn)	50	<1	<1	24.72	18.29	46000	C
Extractable Copper (Cu)	50	<1	1.34	<1	1.80	7700	C

Contract File No.: 142.0002
 T:\ACT testing\ Kent – 142\142.0002
 Control Document Rev. 21 July 2014

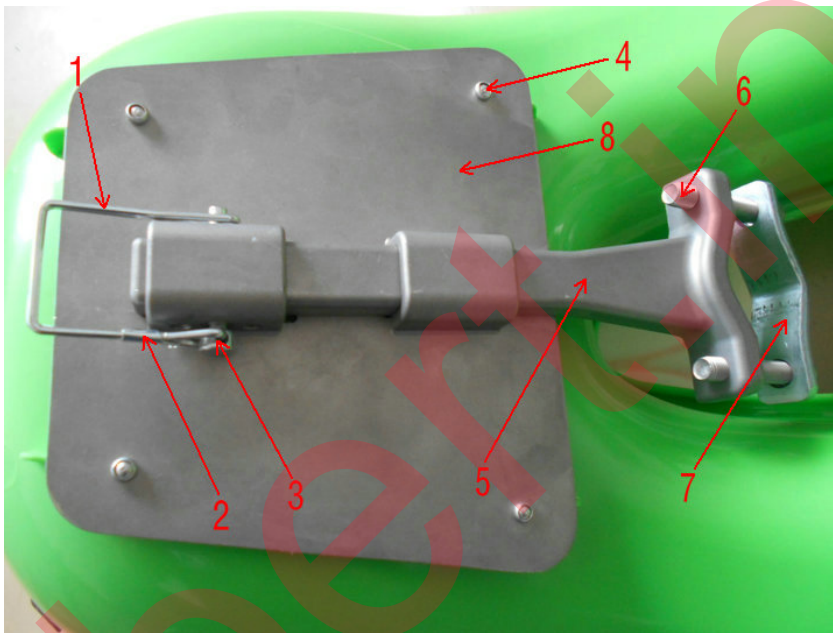
Technician: Bruce Wang/Jake Chao

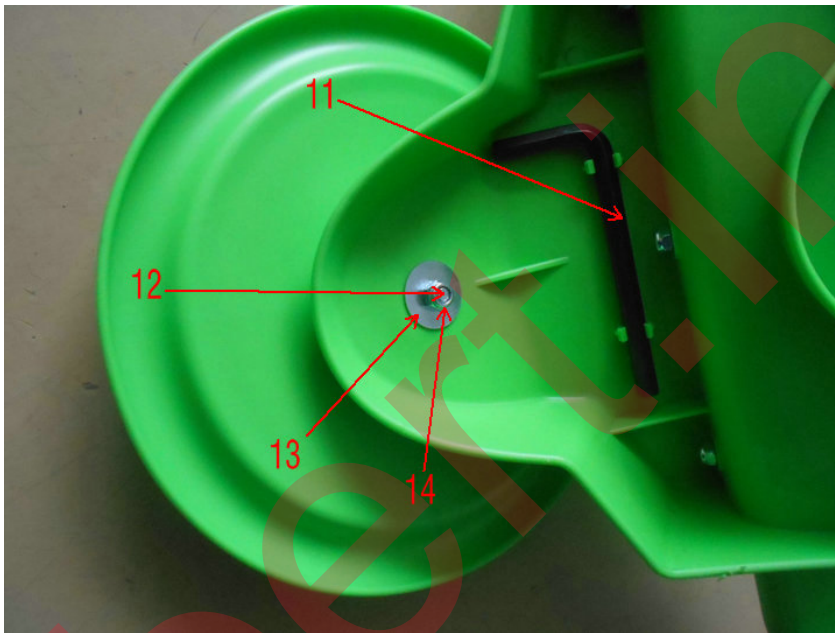
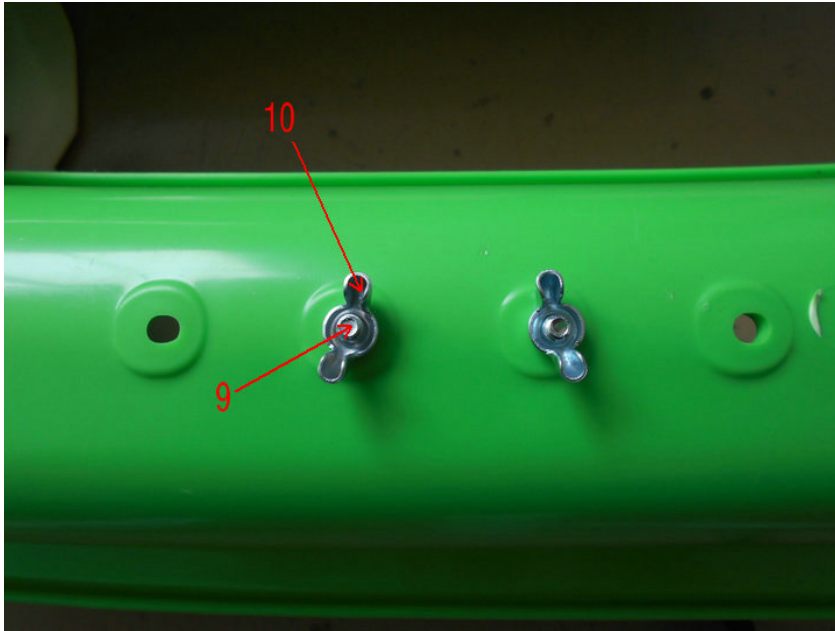
Extractable Aluminum (Al)	50	<1	<1	10.09	1.41	70000	C
Extractable Nickel (Ni)	10	<1	<1	4.86	3.30	930	C
Extractable Organic Tin	0.02	<1	<1	<1	<1	12	C

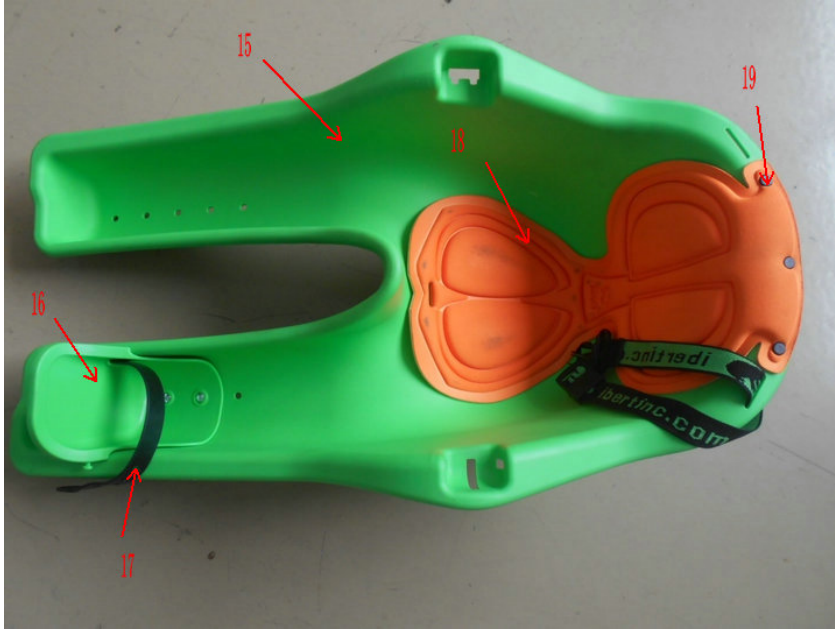
CHEMICAL: PHTHALATES

HR 4040 CPSIA 2008 SECTION 108: PHTHALATE (GC/MS)									
Compliance Criteria: < 1000 ppm (0.1%)									
142.0002.001 – WeeRide Balance Bike (Green)									
Sample ID	Description	Phthalates ppm							Result
		DnOP	DINP	DIDP	DEHP	DBP	BBP	DnHP	
142.0002.001	6 Plastic plugs-Black	ND	ND	ND	ND	ND	ND	ND	C

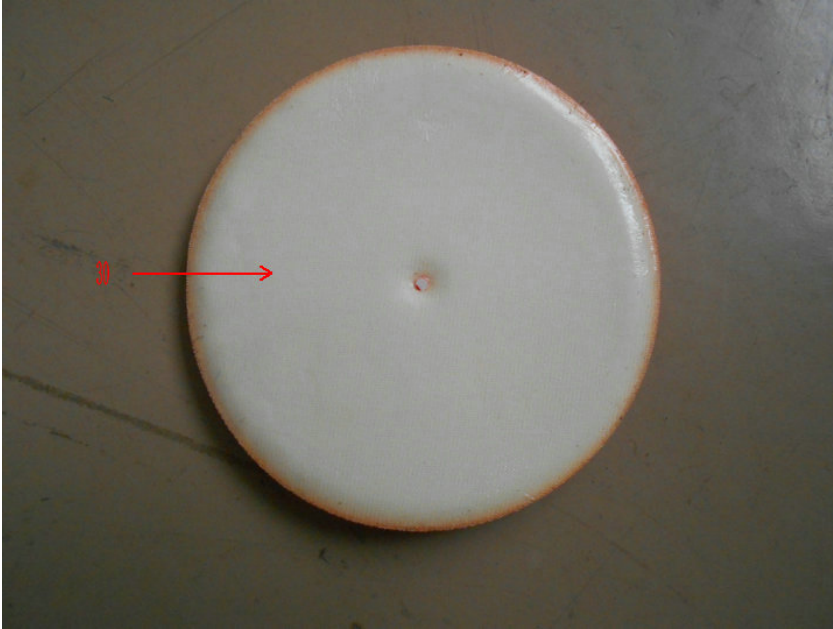
SAMPLE PHOTOGRAPHS FOR SUBSTRATE:





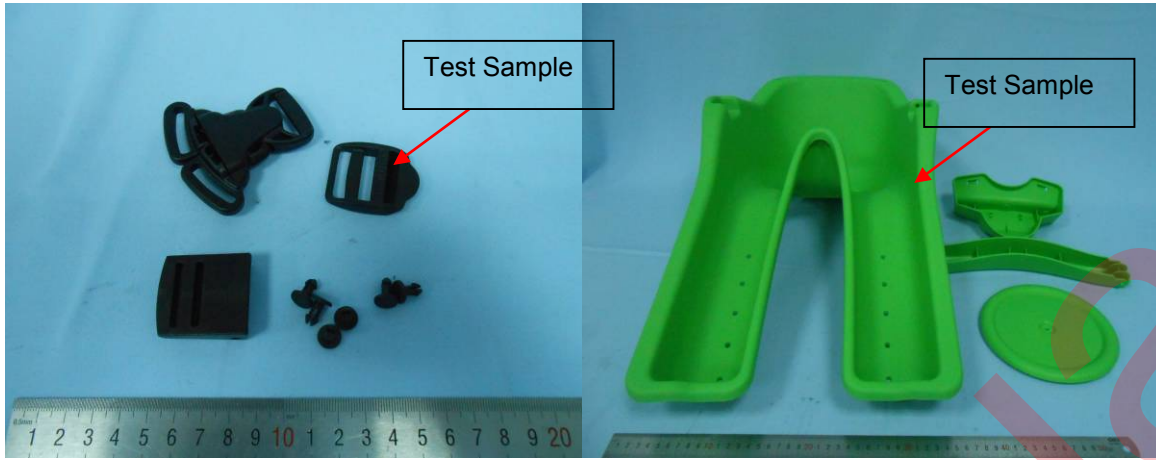






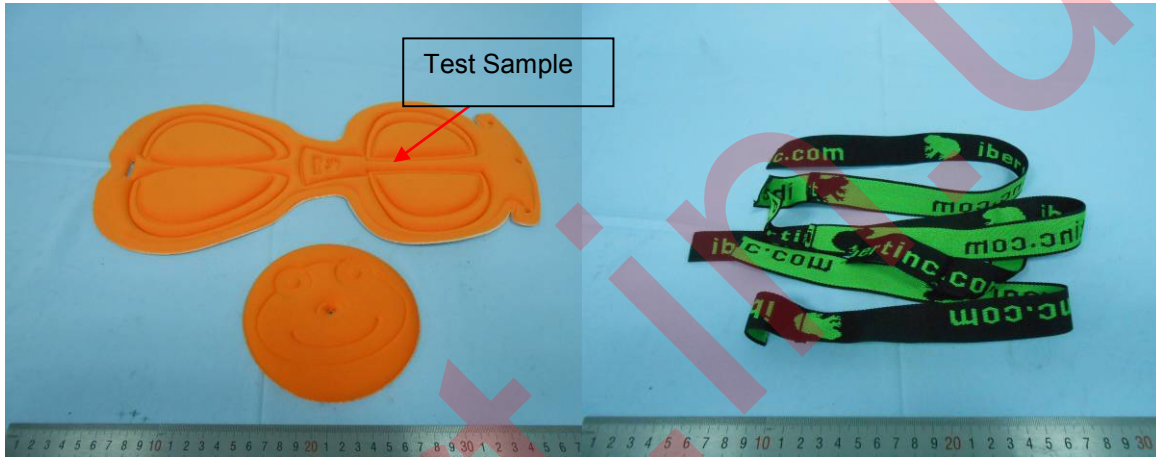
1. Silver Metal	2. Silver Metal
3. Silver Metal	4. Silver Metal
5. Silver Metal	6. Silver Metal
7. Silver Metal	8. Silver Metal
9. Silver Metal	10. Silver Metal
11. Tool	12. Silver Metal
13. Silver Metal	14. Silver Metal
15. Green Plastic	16. Green Plastic
17. Black Plastic	18. Yellow Cloth
19. Black Plastic	20. Belt
20. Black Plastic	22. Red Plastic
23. Black Plastic	24. Black Plastic
25. White Cloth	26. Yellow Cloth
27. Green Plastic	28. Green Plastic
29. Green Plastic	30. Sticker

SAMPLE PHOTOGRAPHS FOR PAHS,AZO:



1#

2#



3#

4#

END OF REPORT