

Test Report

No.: 70.452.21.12522.01

Date: 2021-11-12

Applicant: NANJING HANBU TRAVEL PRODUCT CO. LTD
Address: 1-58 RUIJIN ROAD, QINHUI DISTRICT, NANJING CITY, JIANGSU PROVINCE, CHINA
Product Name: shoulder carrier
Style No.: WIPHA/Camel-1
End Use: A tool to carry child on shoulder
Supplier: NANJING HANBU TRAVEL PRODUCT CO. LTD
Country of Origin: CHINA
Country of Destination: US
Receipt Date of Sample: 2021-06-24, 2021-09-24, 2021-10-25
Date of Testing: 2021-06-29 to 2021-11-12
Date of Further information: 2021-10-29
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

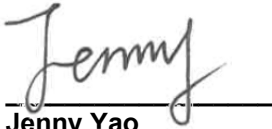
Test Item	Conclusion
1. Tests with reference to ASTM F2549-14a — Standard Consumer Safety Specification for Frame Child Carriers & 16 CFR Part 1230 — Safety Standard for Frame Child Carriers — Excluding clause 5.10, clause 5.12, clause 6.1, clause 6.2, clause 8 and clause 9.	See result 1
2. Tests with reference to ASTM F2236-16a — Standard Consumer Safety Specification for Soft Infant and Toddler Carriers — Excluding clause 5.6, clause 5.7, clause 6.3, clause 8 and clause 9.	See result 2
3. Tests with reference to 16 CFR Part 1226 — Safety Standard for Soft Infant and Toddler Carriers — Excluding clause 5.6, clause 5.7, clause 6.3, clause 8 and clause 9.	See result 3
4. Total Lead Content Test in accessible substrate materials in accordance with Consumer Product Safety Improvement Act of 2008 Section 101	Pass
5. Total Lead Content Test in paint/similar surface coating material in accordance with Consumer Product Safety Improvement Act of 2008 Section 101	Pass
6. 16 CFR Part 1307, Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
7. Total Lead Content -16 CFR Part 1303, Lead of Paint	Pass

Remarks

1. MDL = Method Detection Limit
2. ND = Not Detected (<MDL)
3. <= Less than
4. 1 mg/kg = 1 ppm = 0.0001%

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
Testing Center

Prepared by:



Jenny Yao
Technical Engineer



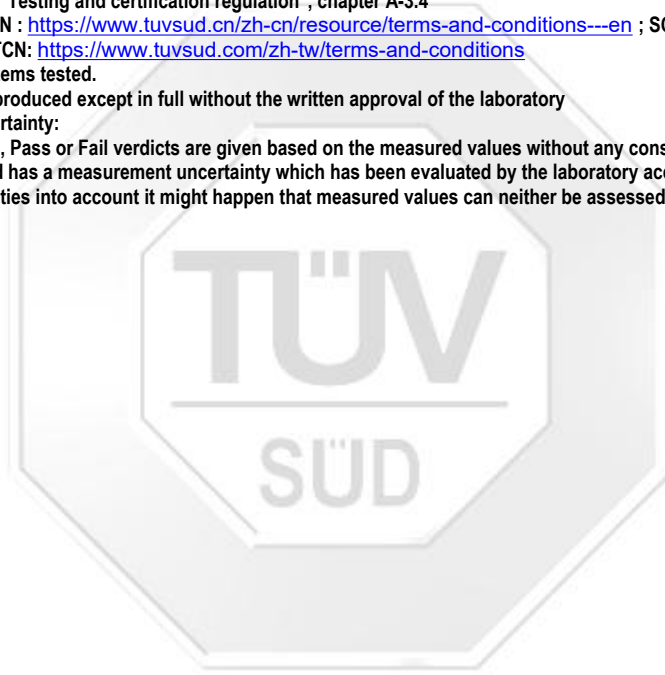
Authorized by:



Sawyer Tang
Technical Manager

Note:

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Description of Tested Subject:


Sample Receiving Info	Sample Received on: 2021-06-24; Complete test sample 1 pc. Sample Received on: 2021-09-24; Revised test sample 1 pc. Sample Received on: 2021-10-25; Revised test sample 1 pc.	
Sample Description	Overall weight (kg):	1.13

Sample Photo

 <p style="text-align: center;">2021/10/28</p>	 <p style="text-align: center;">2021/10/28</p>
<p style="text-align: center;">Front view</p>	<p style="text-align: center;">Back view</p>



Test Report**No.: 70.452.21.12522.01****Date: 2021-11-12**

Sample	Description	Photo
A	shoulder carrier	

T. No	Sample	Description
T1	001	Black plastic (buckle)
T2	002	Light grey plastic (buckle)
T3	003	Grey plastic (backrest)
T4	004	Orange plastic (button)
T5	005	Black plastic (button)
T6	006	Black plastic (connect part)
T7	007	Black coating (on label)
T8	008	Light grey coating (on frame)
T9	009	Silver grey coating on fabric
T10	010	Light grey plastic hook fastener
T11	011	Black plastic hook fastener
T12	012	Light grey elastic band
T13	013	Black elastic band
T14	014	Silver metal (rivet/screw)
T15	015	Metal without coating (frame)

Test Result(s):

1. Tests with reference to ASTM F2549-14a — Standard Consumer Safety Specification for Frame Child Carriers & 16 CFR Part 1230 — Safety Standard for Frame Child Carriers — Excluding clause 5.10, clause 5.12, clause 6.1, clause 6.2, clause 8 and clause 9.

Clause	Requirement	Result	Verdict
5	General Requirements		
5.1	Hazardous Sharp Points or Edges —There shall be no sharp points or edges as defined by 16 CFR 1500.48 and 16 CFR 1500.49 before and after testing.	Complied	P
5.2	Small Parts —There shall be no small parts as defined by 16 CFR 1501 before testing or liberated as a result of testing to this specification.	Complied	P
5.3	Lead in Paint —The paint or surface coating on the product shall comply with 16 CFR 1303.	See result 1.1	P
5.4	Wood Parts —Prior to testing, any wooden parts shall be smooth and free of splinters.	-	N/A
5.5	Scissoring, Shearing, Pinching —A product, when in a manufacturer’s recommended use position, shall be designed and constructed so as to prevent injury to the occupant from an scissoring, shearing, or pinching when members or components rotate about a common axis or fastening point, slide, pivot, fold, or otherwise move relative to one another. Scissoring, shearing, or pinching that may cause injury shall not be permissible when the edges of any rigid parts admit a probe greater than 0.210 in. (5.30 mm) and less than 0.375 in. (9.50 mm) diameter at any accessible point throughout the range of motion of such parts.	Complied	P
5.6	Openings —Holes or slots that extend entirely through a wall section of any rigid material less than 0.375 in. (9.53 mm) thick and admit a 0.210 in. (5.33 mm) diameter rod shall also admit a 0.375 in. (9.53 mm) diameter rod. Holes or slots that are between 0.210 in. (5.33 mm) and 0.375 in. (9.53 mm) and have a wall thickness less than 0.375 in. (9.53 mm), but are limited in depth to 0.375 in. (9.53 mm) maximum by another rigid surface shall be permissible (see Fig. 2). The product shall be evaluated in all manufacturers’ recommended use positions.	Complied	P
5.7	Exposed Coil Springs —Any exposed coil spring which is accessible to the occupant, having or capable of generating a space between coils of 0.210 in. (5.33 mm) or greater during static load testing (see 7.3) shall be covered or otherwise designed to prevent injury.	-	N/A
5.8	Locking and Latching —Any frame child carrier that folds, for storage or transport, shall have a latching or locking device or other provision in the design that will prevent the unit from unintentionally folding when properly placed in the manufacturer’s recommended use position. The unit shall remain in its manufacturer’s recommended use position during and upon completion of the test in accordance with 7.10. If a unit is designed with a latching or locking device, that device shall remain engaged and operative after testing. <i>NOTE 1—This requirement does not apply to the carrier kickstand.</i>	Complied	P
5.9	Unintentional Folding —If the frame child carrier is designed to allow it to stand freely in the upright position, the carrier shall remain in the manufacturer’s	-	N/A

Clause	Requirement	Result	Verdict
	recommended use position before and after completion of all tests in 7.11.		
5.10	Labeling —Warning labels (whether paper or non-paper) shall be permanent when tested in accordance with 7.7, 7.8, and 7.9.	-	N/R
5.10.1	Warning statements applied directly onto the surface of the product by hot stamping, heat transfer, printing, wood burning, and so forth shall be permanent when tested in accordance with 7.8.	-	N/R
5.10.2	Non-paper labels shall not liberate small parts when tested in accordance with 7.9.	-	N/R
5.11	Protective Components —If a child can grasp components between the thumb and forefinger or teeth (such as caps, sleeves, or plugs used for protection from sharp edges, points, or entrapment of fingers or toes), or if there is at least a 0.040in. (1.00 mm) gap between the component and its adjacent parent component, such component shall not be removed when tested in accordance with 7.12.	-	N/A
5.12	There shall be no flammable solids as defined in 16 CFR 1500.3 (c) (6) (vi) before or after testing in accordance with this specification.	-	N/R
5.13	Toys —Toy accessories attached to, removable from, or sold with a child frame carrier, as well as their means of attachment, must meet applicable requirements of Consumer Safety Specification F963.	-	N/A
6	Performance Requirements		
6.1	Leg Openings —Leg openings shall not permit the passage of the Leg Opening Test Sphere when tested in accordance with 7.1.	-	N/R
6.2	Dynamic Strength —The carrier shall not create a hazardous condition, such as frame or fasteners breaking or disengaging or seams separating, when tested in accordance with 7.2. Adjustable elements in the occupant retention system shall not slip more than 1 in. (25.4 mm) per strap as a result of the dynamic testing in accordance with 7.2.	-	N/R
6.3	Static Load —The carrier shall not create a hazardous condition, such as not supporting the test weight, frame or fasteners breaking or disengaging, or seams separating, when tested in accordance with 7.3. Adjustable elements in the occupant retention system shall not slip more than 1 in. (25.4mm) when tested in accordance with 7.3.	Complied	P
6.4	Stability —If the frame child carrier is designed to allow it to stand freely in the upright position, the frame child carrier shall not tip over when tested in accordance with 7.4.	-	N/A
6.5	Retention System:		
6.5.1	A retention system, including a shoulder restraint, shall be provided to secure the occupant in a seated position in any of the manufacturer's recommended use positions.	Complied	P
6.5.2	Before shipment, the manufacturer shall attach the retention system in such a	Complied	P

Clause	Requirement	Result	Verdict
	manner that it will not detach in normal usage.		
6.5.3	If the retention system includes a crotch restraint designed to work with a lap belt, it shall be designed such that its use is mandatory when the retention system is in use.	-	N/A
6.5.4	When tested in accordance with 7.5, the restraint system and its closing means (for example, a buckle) shall not break, disengage, or separate at any seam and all fasteners shall not release or suffer damage that impairs the operation and function of the restraint system. At the end of the tests, the CAMI dummy shall not be released fully or fall out of the carrier.	Complied	P
6.6	Handle Integrity —The carrier shall not create a hazardous condition such as handle or frame breaking or disengaging or seams separating when tested in accordance with 7.6.	-	N/A
8	Marking and Labeling	-	N/R
9	Instructional Literature	-	N/R

Abbreviation: P = Pass; N/A = Not Applicable; N/R = Not Requested per client.

1.1 Total Lead Content -16 CFR Part 1303, Lead of Paint

Test with reference to CPSC-CH-E1003-09.1 and determination by ICP-OES/ICP-MS.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
007+008+009	mg/kg	10.0	90	<10.0	Pass

2. Tests with reference to ASTM F2236-16a — Standard Consumer Safety Specification for Soft Infant and Toddler Carriers — Excluding clause 5.6, clause 5.7, clause 6.3, clause 8 and clause 9.

Clause	Requirement	Result	Verdict
5	General Requirements		
5.1	Hazardous Sharp Points or Edges —There shall be no sharp points or edges as defined by 16 CFR 1500.48 and 16 CFR 1500.49 before and after testing.	Complied	P
5.2	Small Parts —There shall be no small parts as defined by 16 CFR 1501 before testing or liberated as a result of testing to this specification.	Complied	P
5.3	Lead in Paint —The paint or surface coating on the product shall comply with 16 CFR 1303.	See result 1.1	P
5.4	Wood Parts —Prior to testing, any wooden parts shall be smooth and free of splinters.	-	N/A
5.5	Locking and Latching —Any product designed with a locking and latching device must remain in the manufacturer's recommended use position before and after completion of all tests in this standard.	Complied	P
5.6	Labeling —Warning labels (whether paper or non-paper) shall be permanent when tested per 7.3 – 7.5.	-	N/R
5.6.1	Warning statements applied directly onto the surface of the product by hot stamping, heat transfer, printing, wood burning, and so forth shall be permanent when tested in accordance with 7.4.	-	N/R
5.6.2	Non-paper labels shall not liberate small parts when tested in accordance with 7.5.	-	N/R
5.7	Flammability of Textile Products:		
5.7.1	There shall be no Class 2 or 3 fabrics used in the construction of a soft infant and toddler carrier when the product is evaluated against the requirements of 16 CFR 1610.	-	N/R
5.7.2	If a soft infant and toddler carrier is incapable of being evaluated to the requirements of 16 CFR 1610 due to construction characteristics, the product shall not be flammable as defined under 16 CFR 1500.3(c)(6)(vi) when tested in accordance with Consumer Safety Specification F963, Annex 5.	-	N/R
5.8	Toys —Toy accessories attached to, removable from, or sold with a soft infant carrier, as well as their means of attachment, must meet applicable requirements of Consumer Safety Specification F963.	-	N/A
6	Performance Requirements		
6.1	Leg Openings —Leg openings shall not permit the passage of the Leg Opening Test Sphere when tested in accordance with 7.1.	-	N/A
6.2	Dynamic and Static Load:		
6.2.1	Structural Integrity—Dynamic and static load testing shall not result in a hazardous condition as defined in Section 5 or result in a structural failure such as fasteners breaking or disengaging, or seams separating when tested in	Complied	P

Clause	Requirement	Result	Verdict
	accordance with 7.2.1 and 7.2.2, respectively.		
6.2.2	Support/Shoulder Strap Slippage—Adjustable sections of support/shoulder straps shall not slip, in a manner that loosens the strap, more than 1 in. (25 mm) per strap from their original adjusted position after dynamic and static load testing is performed in accordance with 7.2.1 and 7.2.2, respectively.	Complied	P
6.3	Unbounded Leg Opening —Leg opening shall not allow complete passage of the truncated test cone when tested according to 7.6.	-	N/R
6.4	Fastener Strength and Strap Retention:		
6.4.1	Each unique primary load bearing fastener shall not break or disengage, and adjustable elements in straps shall not slip, in a manner that loosens the strap, more than 1 in. (2.5 cm) when tested in accordance with 7.7.1 and 7.7.2.	Complied	P
6.4.2	Each unique fastener whose primary purpose is to adjust the size of the leg opening, or is a secondary load bearing fastener, shall not break or disengage, and adjustable elements in straps shall not slip, in a manner that loosens the strap, more than 1 in. (2.5 cm) when tested in accordance with 7.7.1 and 7.7.3. NOTE 1—The requirements in 6.4 only apply to load bearing fasteners and leg opening adjustment fasteners. Non-load bearing fasteners intended to retain accessory items such as, but not limited to, sleeping hoods, bibs, toy rings etc., or fasteners which do not provide support or securement of the child's torso within the carrier (for example, head adjustment fasteners) are exempt from these requirements.	Complied	P
8	Marking and Labeling	-	N/R
9	Instructional Literature	-	N/R

Abbreviation: P = Pass; N/A = Not Applicable; N/R = Not Requested per client.

3. Tests with reference to 16 CFR Part 1226 — Safety Standard for Soft Infant and Toddler Carriers — Excluding clause 5.6, clause 5.7, clause 6.3, clause 8 and clause 9.

Clause	Requirement	Result	Verdict
5	General Requirements		
5.1	Hazardous Sharp Points or Edges —There shall be no sharp points or edges as defined by 16 CFR 1500.48 and 16 CFR 1500.49 before and after testing.	Complied	P
5.2	Small Parts —There shall be no small parts as defined by 16 CFR 1501 before testing or liberated as a result of testing to this specification.	Complied	P
5.3	Lead in Paint —The paint or surface coating on the product shall comply with 16 CFR 1303.	See result 1.1	P
5.4	Wood Parts —Prior to testing, any wooden parts shall be smooth and free of splinters.	-	N/A
5.5	Locking and Latching —Any product designed with a locking and latching device must remain in the manufacturer's recommended use position before and after completion of all tests in this standard.	Complied	P
5.6	Labeling —Warning labels (whether paper or non-paper) shall be permanent when tested per 7.3 – 7.5.	-	N/R
5.6.1	Warning statements applied directly onto the surface of the product by hot stamping, heat transfer, printing, wood burning, and so forth shall be permanent when tested in accordance with 7.4.	-	N/R
5.6.2	Non-paper labels shall not liberate small parts when tested in accordance with 7.5.	-	N/R
5.7	Flammability of Textile Products:		
5.7.1	There shall be no Class 2 or 3 fabrics used in the construction of a soft infant and toddler carrier when the product is evaluated against the requirements of 16 CFR 1610.	-	N/R
5.7.2	If a soft infant and toddler carrier is incapable of being evaluated to the requirements of 16 CFR 1610 due to construction characteristics, the product shall not be flammable as defined under 16 CFR 1500.3(c)(6)(vi) when tested in accordance with Consumer Safety Specification F963, Annex 5.	-	N/R
5.8	Toys —Toy accessories attached to, removable from, or sold with a soft infant carrier, as well as their means of attachment, must meet applicable requirements of Consumer Safety Specification F963.	-	N/A
6	Performance Requirements		
6.1	Leg Openings —Leg openings shall not permit the passage of the Leg Opening Test Sphere when tested in accordance with 7.1.	-	N/A
6.2	Dynamic and Static Load:		
6.2.1	Structural Integrity—Dynamic and static load testing shall not result in a hazardous condition as defined in Section 5 or result in a structural failure such as fasteners breaking or disengaging, or seams separating when tested in	Complied	P

Clause	Requirement	Result	Verdict
	accordance with 7.2.1 and 7.2.2, respectively.		
6.2.2	Support/Shoulder Strap Slippage—Adjustable sections of support/shoulder straps shall not slip, in a manner that loosens the strap, more than 1 in. (25 mm) per strap from their original adjusted position after dynamic and static load testing is performed in accordance with 7.2.1 and 7.2.2, respectively.	Complied	P
6.3	Unbounded Leg Opening —Leg opening shall not allow complete passage of the truncated test cone when tested according to 7.6.	-	N/R
6.4	Fastener Strength and Strap Retention:		
6.4.1	Each unique fastener, except for leg opening adjustment fasteners as tested per 6.4.2, shall not break or disengage, and adjustable elements in straps shall not slip, in a manner that loosens the strap, more than 1 in. (2.5 cm) when tested in accordance with 7.7.1 and 7.7.2.	Complied	P
6.4.2	Each unique fastener whose primary purpose is to adjust the size of the leg opening shall not break or disengage, and adjustable elements in straps shall not slip, in a manner that loosens the strap, more than 1 in. (2.5 cm) when tested in accordance with 7.7.1 and 7.7.3. NOTE 1—The requirements in 6.4 only apply to load bearing fasteners. Fasteners intended to retain items such as, but not limited to, sleeping hoods, head adjustment fasteners, bibs, and toy rings are exempt from these requirements.	Complied	P
8	Marking and Labeling	-	N/R
9	Instructional Literature	-	N/R

Abbreviation: P = Pass; N/A = Not Applicable; N/R = Not Requested per client.

4. **Total Lead Content Test in accessible substrate materials in accordance with Consumer Product Safety Improvement Act of 2008 Section 101**

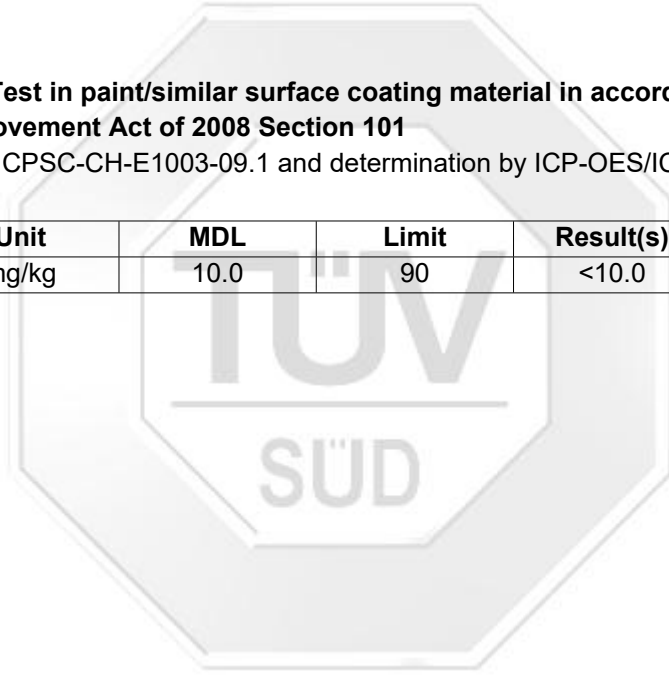
Test with reference to CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3 , determination by ICP-OES/ICP-MS.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
001+002+003	mg/kg	10.0	100	<10.0	Pass
004+005+006	mg/kg	10.0	100	<10.0	Pass
010+011	mg/kg	10.0	100	<10.0	Pass
012+013	mg/kg	10.0	100	<10.0	Pass
014	mg/kg	10.0	100	<10.0	Pass
015	mg/kg	10.0	100	<10.0	Pass

5. **Total Lead Content Test in paint/similar surface coating material in accordance with Consumer Product Safety Improvement Act of 2008 Section 101**

Test with reference to CPSC-CH-E1003-09.1 and determination by ICP-OES/ICP-MS.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
007+008+009	mg/kg	10.0	90	<10.0	Pass



6. 16 CFR Part 1307, Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates

Test with reference to CPSC-CH-C1001-09.4, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					001+002+003	004+005+006
Benzyl butyl phthalate, (BBP)	85-68-7	mg/kg	50	<1000	ND	ND
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	mg/kg	50	<1000	ND	ND
Dibutyl phthalate, (DBP)	84-74-2	mg/kg	50	<1000	ND	ND
Diisobutylphthalate, (DIBP)	84-69-5	mg/kg	50	<1000	82	ND
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	mg/kg	50	<1000	ND	ND
Di-n-hexyl phthalate (DnHP)	84-75-3	mg/kg	50	<1000	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	<1000	ND	ND
Dipentyl phthalate (DPP)	131-18-0	mg/kg	50	<1000	ND	ND
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					007+008+009	010+011
Benzyl butyl phthalate, (BBP)	85-68-7	mg/kg	50	<1000	ND	ND
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	mg/kg	50	<1000	ND	ND
Dibutyl phthalate, (DBP)	84-74-2	mg/kg	50	<1000	ND	ND
Diisobutylphthalate, (DIBP)	84-69-5	mg/kg	50	<1000	ND	ND
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	mg/kg	50	<1000	ND	ND
Di-n-hexyl phthalate (DnHP)	84-75-3	mg/kg	50	<1000	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	<1000	ND	ND
Dipentyl phthalate (DPP)	131-18-0	mg/kg	50	<1000	ND	ND
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					012+013
Benzyl butyl phthalate, (BBP)	85-68-7	mg/kg	50	<1000	ND
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	mg/kg	50	<1000	ND
Dibutyl phthalate, (DBP)	84-74-2	mg/kg	50	<1000	ND
Diisobutylphthalate, (DIBP)	84-69-5	mg/kg	50	<1000	ND
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	mg/kg	50	<1000	ND
Di-n-hexyl phthalate (DnHP)	84-75-3	mg/kg	50	<1000	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	<1000	ND
Dipentyl phthalate (DPP)	131-18-0	mg/kg	50	<1000	ND
Conclusion					Pass

7. Total Lead Content -16 CFR Part 1303, Lead of Paint

Test with reference to CPSC-CH-E1003-09.1 and determination by ICP-OES/ICP-MS.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
007+008+009	mg/kg	10.0	90	<10.0	Pass

-End of Test Report-