



**Test Report**

No.: SHHL1708045764IP

Date: AUG. 31, 2017

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MARKETING CREATION SAS

1 VIA AURELIA, 13100, LE THOLONET, FRANCE

The following sample(s) was/were submitted and identified by the client as:

Sample Description : HIGH CHAIR MCDONALD'S-CHAISE HAUTE MCDONALD'S  
 Style/ Item No. : HAPPY BABY CHAIR  
 Sample Receiving Date : AUG. 09, 2017  
 Further Information : AUG. 30, 2017  
 Testing Period : AUG. 09, 2017 TO AUG. 31, 2017  
 Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT  
 TEST REQUESTED : ASTM F404-17 STANDARD CONSUMER SAFETY  
 SPECIFICATION FORHIGH CHAIRS-EXCLUDING CLAUSE  
 5.14(1)  
 Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE  
 FOLLOWING PAGE(S)  
 Conclusion : THE SUBMITTED SAMPLE MET THE TEST REQUIREMENT  
 OF REQUESTED TEST ITEMS.

\*\*\*\*\*

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Melody Zhang  
Authorized Signatory



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## Test Conducted:

### **ASTM F404-17 STANDARD CONSUMER SAFETY SPECIFICATION FOR HIGH CHAIRS- EXCLUDING CLAUSE 5.14(1)**

Number of test specimen: 1 piece of sample

Test Result: Details Shown As Following Table:

Clause	Test Method/ Requirement	Rating
<b>5</b>	<b>General Requirements</b>	
<b>5.1</b>	For products sold as a high chair, all components necessary for a high chair to comply with the requirements of this standard must be included when shipped from the manufacturer in the package with the product or one of the packages if multiple packages are used.	PASS
<b>5.2</b>	For high chair conversion kits sold separately or included with a product to convert a product into a high chair, all components necessary to comply with this standard must be included when shipped from the manufacturer in the package with the product or the conversion kit, or both, or one of the packages if multiple packages are used.	N/A
<b>5.3</b>	<b>Compliance When Used With Conversion Kits</b>	
5.3.1	When a conversion kit is used to convert a high chair to a different product which falls under the scope of another ASTM standard, it shall comply with the applicable requirements of that standard.	N/A
<b>5.4</b>	The high chair with any accessory(s) included or any accessories sold by the manufacturer of the high chair for use with the specific high chair model being tested shall, when installed in a manufacturer's recommended use position in accordance with the manufacturer's instructions, comply with the requirements of this standard.	N/A
<b>5.5</b>	<b>Threaded Fasteners</b>	
5.5.1	<b>Wood Screws and Sheet Metal Screws</b>	
5.5.1.1	Wood screws and sheet metal screws shall not be used by the manufacturer in the assembly of key structural elements of a high chair or other components that must be removed by the consumer in the disassembly of a high chair or conversion to a different use mode per the manufacturer's instructions.	PASS
5.5.1.2	No high chair shall require consumer assembly of key structural elements using wood screws or sheet metal fasteners directly into wood components.	PASS
5.5.1.3	Factory assembly using wood screws on key structural elements is allowed if the wood screws are a second method of attachment or the wood screws include a lock washer, glue or other means to impede loosening or detachment.	N/A
5.5.1.4	Metal inserts, with external wood screw threads for screwing into a wood component and providing internal machine threads to accommodate a machine screw, that are used to secure key structural elements shall be glued or include other means to impede loosening or detaching.	N/A



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5.5.2	Metal threaded fasteners, such as sheet metal screws and machine screws, secured into metal components and used to attach key structural elements shall have lock washers, self-locking nuts, or other means to impede loosening as defined in 6.10.1.5 or detachment during the testing required by this specification.	PASS
5.6	<b>Sharp edges or points</b> There shall be no hazardous sharp edges or points as defined by 16 CFR 1500.48 and 16 CFR 1500.49 before or after testing in accordance with this consumer safety specification.	PASS
5.7	<b>Small parts</b> There shall be no small parts, as defined by 16 CFR 1501, before testing or liberated as a result of testing to this specification.	PASS
5.8	Before the application of any test methods, any exposed wood parts shall be smooth and free of splinters.	PASS
5.9	<b>Latching or Locking Mechanisms</b> Any unit that folds shall have a latching or locking device or other provision in a design that will prevent the unit from unintentionally folding when properly placed in the manufacturer's recommended use position. During and upon completion of the testing in accordance with 7.1, the unit shall remain in its manufacturer's recommended use position. If a unit is designed with a latching or locking device, that device shall remain engaged and operative after testing.	N/A
5.10	<b>Labeling</b>	
5.10.1	Warning labels, whether paper or non-paper, shall be permanent when tested per 7.9.1 – 7.9.3.	PASS
5.10.2	Warning statements applied directly onto the surface of the product by hot stamping, heat transfer, printing, wood burning, etc. shall be permanent when tested per 7.9.4.	
5.10.3	Non-paper labels shall not liberate small parts when tested in accordance with 7.9.5.	
5.11	<b>Openings</b> 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 and 0.375 in. (5.33 and 9.53 mm) in diameter 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. 3). The product shall be evaluated in all manufacturer's recommended use positions.	PASS
5.12	Toy components provided with or attached to the high chair shall comply with the requirements of Consumer Safety Specification F963.	N/A
5.13	All paints and surface coatings on the product shall comply with 16 CFR 1303.	PASS (See Chemical Test Result)



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5.14	Product must comply with the applicable requirements of the Consumer Product Safety Improvement Act (CPSIA).	PASS
(1)	CPSIA 101 Lead	N/C
(2)	CPSIA 103 Tracking label	PASS
(3)	CPSIA 104 Registration card	PASS
(4)	CPSIA 108 Phthalates	N/A
<b>6</b>	<b>Performance Requirements</b>	
<b>6.1</b>	<b>Protective Components</b> If the child can grasp protective 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 0.04 in. (1.0 mm) gap between the component and its adjacent parent component, such component shall not be removed when tested in accordance with 7.2. All protective components that are accessible to a child sitting in the high chair or accessible to a child from any position around the high chair shall be evaluated.	N/A
<b>6.2</b>	<b>Removable Tray or Front Torso Support Performance Integrity</b> All removable trays and front torso supports shall remain functional with respect to the chair and exhibit no sharp points, sharp edges, or small parts when subjected to a drop test in accordance with 7.3. A tray or front torso support is considered removable if it can be removed from the high chair without the use of tools (for example, screw driver or wrench).	N/A
<b>6.3</b>	<b>Tray or Front Torso Support Performance – Pull Test</b> The tray or front torso support shall not become disengaged or dislocated from its original adjustment position, when tested in accordance with 7.4 and 7.5. Components that do not function as a front torso support such as trays, tray inserts, or snack trays are exempt from this requirement.	PASS
<b>6.4</b>	<b>Static Load</b> A chair shall support static loads without causing any hazardous conditions as identified within this consumer safety specification. Tests shall be conducted in accordance with 7.6.	PASS
<b>6.5</b>	<b>Stability</b>	
<b>6.5.1</b>	<b>Forward and Sideways Stability</b> A high chair shall not tip over when setup as defined in 7.7.2.1 – 7.7.2.3, and then when forces are applied in accordance with 7.7.2.4 and 7.7.2.5.	PASS
<b>6.5.2</b>	<b>Rearward Stability</b> When setup as defined in 7.7.2.1 – 7.7.2.3, and then tested in accordance with 7.7.2.6, the high chair shall have a Rearward Stability Index of 50 or more.	PASS
<b>6.5.3</b>	<b>Stability with Child Climbing into Chair</b> A high chair shall not tip over when tested in accordance with 7.7.3.	PASS



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6.6	<b>Exposed Coil Springs</b> Any exposed coil spring which is accessible to the occupant, having or capable of generating a space between coils of 0.210 in. (5.3 mm) or greater during static load testing in accordance with 7.6 shall be covered or otherwise designed to prevent injury from entrapment.	N/A
6.7	<b>Scissoring, Shearing, and Pinching</b> A high chair, when in the manufacturer's recommended use position, shall be designed and constructed so as to prevent injury to the occupant from any 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 can cause injury exists when the edges of the rigid parts admit a probe greater than 0.210 in. (5.3 mm) and less than 0.375 in. (9.5 mm) in diameter at any accessible point throughout the range of motion of such parts.	PASS
6.8	<b>Restraint System</b>	
6.8.1	A restraint system shall be provided to secure a child in the seated position in any of the manufacturer's recommended use positions.	PASS
6.8.1.1	The restraint system shall include both waist and crotch restraint designed such that the crotch restraint's use is mandatory when the restraint system is in use.	PASS
6.8.2	The restraint system and its closing means (for example, buckle) shall not break, separate, or permit removal of the CAMI test dummy from the high chair when tested in accordance with 7.8.	PASS
6.8.2.1	If during test in 7.8.5.1, the posterior of the test dummy is pulled past the front edge of the seat, the dummy shall be considered removed.	PASS
6.8.2.2	If during test in 7.8.5.3, the dummy with the force applied reaches a vertical position with the bottom of its feet touching or off the seat, the dummy shall be considered removed.	PASS
6.8.3	The waist restraint shall be capable of adjustment with a positive, self-locking mechanism that is capable, when locked, of withstanding the forces of tests in 7.8 without allowing restraint movement or slippage of more than 1 in. (25.4 mm).	PASS
6.8.4	A connecting means and adjustment means for the waist restraint shall be capable of usage independent of one another. The connecting means shall not be an adjustment means but may have one integrally attached to it.	PASS
6.8.5	The restraint system anchorages shall not separate from their attachment points when tested in accordance with 7.8.6.	PASS
6.8.6	Before shipment, the restraint system should be completely attached to the high chair in the location for use in at least one of the manufacturer's recommended use position(s) and in such a manner as to not become detached through normal use.	PASS
6.9	Completely bounded openings forward of the occupant shall comply with 6.9.1 and 6.9.2.	PASS
6.9.1	Completely Bounded Leg Openings forward of the occupant that include a Passive Crotch Restraint:	PASS



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6.9.1.1	High chairs that have completely bounded leg openings forward of the occupant in any position shall also have a passive crotch restraint which complies with 6.9.1.2, 6.9.1.3, and 6.9.1.4 in all such positions.	PASS
6.9.1.2	There shall be no vertical gap between the passive crotch restraint and either the tray, front torso support, or seating surface that allows free passage of a 1.5-in. (38-mm) diameter by 3-in. (76-mm) long rod from one leg opening to the other.	PASS
6.9.1.3	Adjust the seat back to the most upright position and the passive crotch restraint to the position furthest from the seat back. The distance between the front surface of the noncompressed seat back and the passive crotch restraint shall be less than 8.5 in. (216 mm) when measured horizontally 2.0 in. (50 mm) above the lowest point on the noncompressed seating surface.	PASS
6.9.1.4	The leg openings on each side of the passive crotch restraint shall not allow complete passage of the wedge block when tested in accordance with 7.11.	PASS
6.9.1.5	A passive crotch restraint, except a flexible passive crotch restraint addressed in 6.9.1.5(1) or a passive crotch restraint per 6.9.1.5(2), shall be permanently attached to the high chair or tray before shipment such that it cannot be removed without the use of a tool. Permanent attachment requires either attachment in a manufacturer's recommended use position or attachment to the high chair or tray, including attachment by a tether, in a manufacturer's recommended use position, that requires some repositioning or final assembly, or both, by the end user, and the assembly can be completed without removal of the tether. In the case of a tether, the total exposed length of flexible material when measured in accordance with 7.15 shall be less than 7.4 in. (188 mm). (1) A flexible passive crotch restraint shall be permanently attached to the high chair in the manufacturer's recommended use position such that it cannot be removed without the use of a tool. (2) A passive crotch restraint that comes with a high chair or sold separately as an accessory shall be exempt from the assembly requirements in 6.9.1.5 if the tray and passive crotch restraint comply with both 6.9.1.5(2)(a) and 6.9.1.5(2)(b). (a) The passive crotch must be assembled to the chair in order to attach a tray to the high chair. (b) The passive crotch restraint must be assembled to the high chair for the passive crotch restraint and tray to create completely bounded openings forward of the occupant.	N/A
6.9.2	Completely bounded openings forward of the occupant that do not include a passive crotch restraint:	N/A
6.9.2.1	Completely bounded openings between the tray and other structural elements that are located forward of the occupant shall not allow complete passage of the wedge block when tested in accordance with 7.11.	N/A
<b>6.10</b>	<b>Structural Integrity</b>	
6.10.1	During and upon completion of the testing in accordance with 7.10, the high chair shall comply with all of the following:	PASS



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6.10.1.1	The high chair shall not exhibit an instantaneous change in the height of the occupant seating surface above the floor of more than 3 in. (75 mm) during one cycle of the weight drop. During and after a change in the height of the seating surface, the high chair must comply with the requirements for openings as defined in 6.6 and scissoring, shearing, and pinching as defined in 6.7.	PASS
6.10.1.2	There shall be no breakage of any structural component.	PASS
6.10.1.3	Latching or locking devices which prevent folding of the high chair shall remain engaged.	N/A
6.10.1.4	The angle of the occupant seating surface relative to the floor shall not change more than 10°.	PASS
6.10.1.5	After testing in accordance with the procedure in 7.10, threaded fasteners that are used for key structural elements shall not have separated by more than 0.04 in. (1.00 mm) upon completion of testing.	PASS
<b>6.11</b>	<b>Tray Latch Release Mechanisms</b>	
6.11.1	High chairs that have completely bounded leg openings in front of the occupant, on each side of a passive crotch restraint, when the tray is removed are exempt from the following tray latch release mechanism requirements.	N/A
6.11.2	Tray latch release mechanisms located on the front of the tray or forward of the occupant shall comply with 6.11.2.1 or 6.11.2.2 or 6.11.2.3. Tray latch release mechanisms which only allow for a change in adjustment position of the tray and do not allow the tray to be detached from any attachment point to the high chair and trays on high chairs with a front torso support are exempt from the requirements in this section.	N/A
6.11.2.1	Latch release surfaces on a tray latch release mechanism shall be inaccessible by the foot of the occupant as defined in Item 1 (below) or comply with Item 2. (1) The bottom surface of the leg/foot probe assembly, Fig. 4, shall not contact any latch release surface on the tray latch release mechanism when tested per 7.12.1. (2) If a latch release surface is contactable by the bottom of the foot on the leg/foot probe assembly, the angle between Plane "A" on the foot and Plane "B" at the lower end of the leg when tested per 7.12.2 shall be 30° or greater (see Fig. 5).	N/A
6.11.2.2	The direction to actuate the tray latch release mechanism must push toward the occupant.	N/A
6.11.2.3	The tray latch release mechanism is a double action release mechanism.	N/A
6.11.3	Tray latch release mechanisms located at the side of a tray shall comply with 6.11.3.1, 6.11.3.2, 6.11.3.3, or 6.11.3.4.	N/A
6.11.3.1	For single action tray latch release mechanisms, the tray shall not become detached from the high chair in any latching position when tested in accordance with 7.13. A change in the adjustment position of the tray is allowed provided that the tray cannot be detached from either side of the high chair.	N/A



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Clause	Test Method/ Requirement	Rating
6.11.3.2	Each tray latch release mechanism shall be a double action release mechanism. For purposes of this requirement, each tray latch release mechanism is to be considered independently.	N/A
6.11.3.3	Two or more tray latch release mechanisms are interdependent such that the tray cannot be fully released from either side of the high chair without actuating at least two tray latch release mechanisms. The interconnection must require either two consecutive actions, the first of which must be maintained while the second is carried out or two separate and independent actions that must be carried out simultaneously to fully release the tray. An attempt to actuate any one of the tray latch release mechanisms independently shall not allow either side of the tray to fully release from the high chair.	N/A
6.11.3.4	Tray latch release mechanism shall not be visible to the occupant and the direction of release mechanism must be no less than 85° from the direction of tray release or removal. Visibility is to be determined when the seat is in the upright position and tray is in any manufacturer's use position. A tray latch release mechanism is considered not visible to the occupant if the latch is flush to or recessed back from the plane perpendicular to the outer edge of the tray in the area of the tray latch release mechanism.	N/A
<b>6.12</b>	<b>Side Containment</b> Completely bounded openings in the surfaces that act as the sides of the seating area that are below the top surface of the tray and above the seat bottom surface shall not allow complete passage of the wedge block when tested in accordance with 7.14.	PASS
<b>6.13</b>	<b>Protrusions</b> Each protrusion that is completely contained within the protrusion evaluation zone and on a surface that is angled out from the seating area between 20° and 30° from the vertical when in one of the manufacturer's recommended use positions per 7.16 shall comply with either 6.13.1 or 6.13.2.	N/A
6.13.1	The protrusion shall not have an undercut below its top surface (for example, rivets, latch tabs, tray storage hooks).	N/A
6.13.2	A protrusion with an undercut below its top surface (for example, rivets, latch tabs, tray storage hooks) shall meet either 6.13.2.1 or 6.13.2.2.	N/A
6.13.2.1	The top corner of a protrusion shall not protrude farther than the thickness of the ring gauge (Fig. 6) when tested per 7.16, 7.16.1, and 7.16.3.	N/A
6.13.2.2	The top corner of a protrusion shall not be contactable by the protrusion accessibility gauge (Fig. 7) when tested per 7.16, 7.16.2, and 7.16.3.	N/A
<b>8</b>	<b>Marking and Labeling</b>	PASS
<b>9</b>	<b>Instructional Literature</b>	PASS

Note: N/A=Not applicable; N/C=Not conducted (as per client's request)



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## Chemical Test Result:

### Test Part Description:

Specimen No.	SGS Sample ID	Description
SN1	SHA17-184874.001	Colorful coating on plastic

### Remarks:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

## CPSIA section 101(f) - Lead in paint/similar surface coating material

Test Method: CPSC Test Method: CPSC-CH-E1003-09.1' Standard Operation Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings'

Test Item(s)	Limit	Unit	MDL	001
Lead (Pb)	0.009	%	0.002	ND
<b>Conclusion</b>				<b>PASS</b>



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### Sample Photo:

Received Sample – Front View



Received Sample - Side View



SGS authenticate the photo on original report only

\*\*\*End of Report\*\*\*



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