



Test Report

No.: SHHL2406030578IP-1

Date: OCT. 08, 2024

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TAIZHOU CITY HUANGYAN ZHENHUI PLASTIC MOULDS CO.,LTD
NO.41 YUMIN ROAD, XINQIAN INDUSTRY AREA, HUANGYAN DISTICT, TAIZHOU CITY,
ZHEJIANG PROVINCE, CHINA

THE TEST REPORT IS TO SUPERSEDE THE TEST REPORT No.: SHHL2406030578IP, DATE:
SEP. 30, 2024, ORIGINAL REPORT SHALL BE INVALID.

Sample Description : BATHTUB+STAND
 Manufacturer : TAIZHOU CITY HUANGYAN ZHENHUI PLASTIC MOULDS CO.,LTD
 Supplier : TAIZHOU CITY HUANGYAN ZHENHUI PLASTIC MOULDS CO.,LTD
 Country of Origin : CHINA *****
 Source of Sample : SENT BY CLIENT.
 Sample Receiving Date : JUN. 11, 2024
 1st Resubmitted Sample Date : SEP. 24, 2024
 Testing Period : JUN. 11, 2024 TO SEP. 30, 2024
 Testing Location : LANE 3999, XIUPU RD., PUDONG DISTRICT, SHANGHAI, CHINA

Test Requested	Result
EN 17072: 2018 CHILD CARE ARTICLES – BATH TUBS, STANDS AND NON-STANDALONE BATHING AIDS – SAFETY REQUIREMENTS AND TEST METHODS - EXCLUDING CLAUSE 6, CLAUSE 7.8.1, CLAUSE 7.8.2, CLAUSE 7.8.6 AND CLAUSE 8	Pass

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

Melody Zhang



Melody Zhang
Authorized Signatory



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Test Conducted:

EN 17072: 2018 CHILD CARE ARTICLES – BATH TUBS, STANDS AND NON-STANDALONE BATHING AIDS – SAFETY REQUIREMENTS AND TEST METHODS - EXCLUDING CLAUSE 6, CLAUSE 7.8.1, CLAUSE 7.8.2, CLAUSE 7.8.6 AND CLAUSE 8

Test Result: Details Shown as Following Table:

Clause	Test items	Rating	
6	Chemical hazards — Migration of certain elements	N/C	
	The migration of elements from materials on exterior surfaces shall not exceed the limits listed below:		
	Element mg/kg		
	Aluminium		70 000
	Antimony		560
	Arsenic		47
	Barium		18 750
	Boron		15 000
	Cadmium		17
	Chromium (III)		460
	Chromium (VI)		0,2
	Cobalt		130
	Copper		7 700
	Lead		23
	Manganese		15 000
	Mercury		94
	Nickel		930
	Selenium		460
	Strontium		56 000
	Tin		180 000
Organic tin	12		
Zinc	46 000		
	When testing is performed, the method described in EN 71-3 shall be used.		
	A separate sample may be used for these tests.		
7	Mechanical hazards		
7.1	General No harness shall be provided as a child restraint system.	PASS	
7.2	Entrapment hazards		



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Clause	Test items	Rating
7.2.1	<p>Entrapment of fingers There shall be no accessible completely bounded openings in rigid materials, in the inner and upper surface that supports the child and on the exterior side of the bath tub up to 100 mm from the bath tub rim, between 7 mm and 12 mm unless the depth is less than 10 mm or unless the shape assessment probe, see 4.1.2, enters, when tested in accordance with 7.2.1.2.</p> <p>There shall be no accessible openings in mesh, in the inner and upper surface that supports the child and on the exterior side of the bath tub up to 100 mm from the bath tub rim, that allow the test probe for mesh, 4.1.1, to penetrate up to the 7 mm diameter section, when tested in accordance with 7.2.1.2.</p> <p>The test shall be carried out with the product in any intended position of use without any test mass and with test mass A (see 4.3).</p>	PASS
7.2.2	<p>Entrapment of head Stands shall be tested with the bathtub installed on them. When tested in accordance with 7.2.2.2.1, openings with the lowest point higher than 600 mm above the floor that allow the passage of the small head probe (4.2.1), shall also allow the passage of the large head probe (4.2.2).</p> <p>Partially bound, V and irregular shaped openings with the lowest point higher than 200 mm above the floor that allow the passage of small head probe shall be constructed so that:</p> <p>a) portion B of the template does not enter the opening when tested in accordance with 7.2.2.2.2, see Figure 13 and Figure 14; or b) the apex of portion A of the template contacts the base of the opening when tested in accordance with 7.2.2.2.2, see Figure 15.</p>	PASS
7.3	<p>Hazards due to moving parts</p>	
7.3.1	<p>Requirements for compression points After the product has been set up for use in accordance with the manufacturer's instructions, there shall be no accessible compression points, in the inner and upper surface that supports the child and on the exterior side of the bath tub up to 100 mm from the bath tub rim, which can close to less than 12 mm unless they are always less than 5 mm, as the result of:</p> <p>a) the movement of the product; or b) the movement of body weight by the child using the product; or c) the application of an external force (either unintentionally by the carer, or by a powered mechanism).</p> <p>Movement due to elasticity of materials shall not be considered as compression hazard.</p> <p>The folding system and the area of contact between the product and the surface on which the product is fixed are excluded from this requirement.</p>	PASS



Clause	Test items	Rating
7.3.2	<p>Requirements for shear points After the product has been set up for use in accordance with the manufacturer's instructions, there shall be no accessible shear points, in the inner and upper surface that supports the child and on the exterior side of the bath tub up to 100 mm from the bath tub rim, which can close to less than 12 mm, as the result of:</p> <p>a) the movement of the product; or b) the movement of body weight by the child using the product; or c) the application of an external force (either unintentionally by the carer, or by a powered mechanism).</p> <p>Movement due to elasticity of materials or play in mechanical parts shall not be considered as a shearing hazard. The folding system is excluded from this requirement.</p>	PASS
7.4	<p>Entanglement hazards Cords, ribbons and similar parts shall have a maximum free length of 220 mm when tested in accordance with 7.4.2. Where cords, ribbons and similar parts are attached to the product together or within 80 mm of each other, any single cord shall have a maximum free length of 220 mm and the combined length from one loose end to the end of another loose end shall be a maximum of 360 mm (see Figure 16). Loops shall have a maximum peripheral dimension of 360 mm, when tested in accordance with 7.4.2. Monofilament threads shall not be used. Water draining hoses are excluded from these requirements.</p>	N/A
7.5	<p>Choking and ingestion hazards Any component or filling material, in the inner and upper surface that supports the child and on the exterior side of the bath tub up to 100 mm from the bath tub rim, that is considered able to be gripped by a child in accordance with 7.5.2.1 shall be tested in accordance with 7.5.2.2 and 7.5.2.3. Any component or part of a component or filling material that is removed shall not fit wholly in any orientation, without compressing or manipulating it, within the small parts cylinder specified in 4.4. Foam pads with a thickness lower than 2 mm are excluded from these requirements.</p>	PASS



Clause	Test items	Rating
7.6	<p>Suffocation hazards — Plastic packaging Any plastic covering used for packaging with an area greater than 100 mm x 100 mm shall conform to any of the following requirements: a) have an average sheet thickness of 0,038 mm or more; or b) be perforated with defined holes so that a minimum of 1 % of the area has been removed over any area of 30 mm x 30 mm.</p> <p>Any plastic bags used for packaging with an opening perimeter greater than 360 mm shall not have a drawstring or cord as a means of closing. Shrunken-on films that are destroyed when the packaging is opened by the user are excluded from these requirements.</p>	N/A
7.7	<p>Hazardous edges, corners and protruding parts All edges, corners and protruding parts on the product shall be rounded and free from burrs.</p>	PASS
7.8	Hazards from inadequate structural integrity	
7.8.1	<p>Thermal shock When the bath tub is tested in accordance with 7.8.1.2 no part shall break.</p>	N/C
7.8.2	<p>Static strength of bath tubs When the bath tub is tested in accordance with 7.8.2.2, no part shall break, detach, fold or collapse. After the recovery time specified in 7.8.2.2, the product shall function as originally intended and it shall comply with 7.2 and 7.3 .</p>	N/C
7.8.3	<p>Static strength of non-standalone bathing aids When the non-standalone bathing aid is tested in accordance with 7.8.3.2.1, no part shall break, detach, fold or collapse. After the recovery time specified in 7.8.3.2.1, the non-standalone bathing aid shall function as originally intended and it shall comply with 7.2 and 7.3. If the non-standalone bathing aid has suction cup(s) as attachment device(s), when tested in accordance with 7.8.3.2.2 no part of the suction cups and their attachment to the non-standalone bathing aid shall break or separate and the non-standalone bathing aid shall function as originally intended. Detachment of the suction cups from the test surface shall not be counted as a failure.</p>	N/A
7.8.4	<p>Static strength of stands When the stand is tested in accordance with 7.8.4.2, no part of the stand or the bath tub shall break, detach, fold or collapse. After the recovery time specified in 7.8.4.2, the stand shall function as originally intended and it shall comply with 7.2 and 7.3 .</p>	PASS
7.8.5	<p>Strength and retention of suction cups When testing in accordance with 7.5.2.2 and 7.5.2.3, suction cups, if any, shall not detach from the product or break. Disregard any damage caused by the clamps used in the test method.</p>	N/A



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Clause	Test items	Rating
7.8.6	Impact test When the bath tub is tested in accordance with 7.8.6.2, no part shall break. Inflatable bath tubs are excluded from this requirement.	N/C
7.9	Hazards due to folding or adjusting of the product	
7.9.1	General Connecting screws (e.g. self-tapping screws) shall not be used to fasten any component that is designed to be removed or loosened when dismantling the product to transport or store it. Inflatable bath tubs shall be fitted with non-return valves and shall not be allowed to be used on a stand.	PASS
7.9.2	Attachment device(s) for non-standalone bathing aids The device(s) to attach the non-standalone bathing aid on the bath tub shall be designed so as to prevent inadvertent detachment. This requirement is met if one of the following is fulfilled: a) the removal of the non-standalone bathing aid requires at least two independent attachment devices which shall be operated simultaneously; or b) a single attachment device is designed to be operated only with the use of a tool; or c) a single attachment device requires a force of at least 50 N to release it, measured with and without test mass A on the bathing aid; or d) two consecutive actions are required to release the attachment device, the operation of the second action being dependent on the first action being carried out and maintained; or e) attachment device(s) are not located on the inner surface that supports the child and the weight of the child acts in favour of attachment.	N/A
7.9.3	Foldable bath tubs	
7.9.3.1	Requirements These requirements only apply to foldable bath tubs when they are used on stands. To prevent the bath tub from inadvertently fold or adjust, the following requirements shall be fulfilled: a) when tested in accordance with 7.9.3.3, the bath tub shall not collapse and no part of the folding and/or adjusting system shall fold or adjust; b) if locking mechanism(s) for the folding system is/are present, they shall comply with 7.9.3.2 and shall continue to operate satisfactorily after testing in accordance with 7.9.3.3.	N/A



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Clause	Test items	Rating
7.9.3.2	<p>Unintentional release of locking mechanism(s) To avoid the hazards due to unintentional release of locking mechanisms, if any, one of the following conditions shall be fulfilled before and after testing in accordance with 7.9.3.3:</p> <ul style="list-style-type: none"> a) at least one operating device requires an operating force greater than 50 N, or b) folding is only possible if at least one locking mechanism requires the use of a tool, or c) at least one operating device requires at least two consecutive actions, the first of which shall be maintained while the second is carried out, or d) at least one locking mechanism is released when two independent operating devices are simultaneously operated. 	N/A
7.9.3.3	<p>Strength test of folding system of foldable bath tubs Operate (close and open) the locking and folding system 300 times. Place the bath tub in the normal position of use on the stand. Gradually apply a force of 100 N at the point and in the direction considered most likely to cause folding, preventing the bath tub from moving during the test. The force shall not be applied directly to the operating device. Maintain the force for 2 min. The application of force shall be carried out a total of 5 times at the same point.</p>	N/A
7.9.4*	Stands	
7.9.4.1	<p>Requirements To prevent the stand from inadvertently fold or adjust at least one locking mechanism for the folding system shall be present. It shall comply with 7.9.4.2 and shall continue to operate satisfactorily after testing in accordance with 7.9.4.3.</p>	PASS
7.9.4.2	<p>Unintentional release of locking mechanism(s) To avoid the hazards due to unintentional release of locking mechanisms, one of the following conditions shall be fulfilled before and after testing in accordance with 7.9.4.3:</p> <ul style="list-style-type: none"> a) at least one operating device requires an operating force greater than 50 N, or b) folding is only possible if at least one locking mechanism requires the use of a tool, or c) at least one operating device requires at least two consecutive actions, the first of which shall be maintained while the second is carried out, or d) at least one locking mechanism is released when two independent operating devices are simultaneously operated. 	PASS



Clause	Test items	Rating
7.9.4.3	<p>Strength test of locking and folding system of stands Operate (close and open) the locking and folding system 300 times. Place the stand in the normal position of use and assemble the bath tub on the stand. Put test mass A in the product as near to the middle as possible. NOTE The presence of a bump may prevent to position the mass exactly in the middle. Gradually apply a force of 200 N at the point and in the direction considered most likely to cause folding, preventing the stand from moving during the test. The force shall not be applied directly to the operating device. Maintain the force for 2 min. The application of force shall be carried out a total of 5 times at the same point.</p>	PASS
7.10	<p>Hazards due to plastic decals After conditioning in accordance with 7.10.2, plastic decals or parts of plastic decals on the bath tub shall not become detached, when tested in accordance with 7.5.2. A separate sample may be used for this test; if not available, this test shall be performed at the end of the testing procedure before 8.2.2.</p>	N/A
7.11	<p>Castors/wheels</p>	
7.11.1	<p>Requirements Stands may be fitted with: a) two wheels or castors and at least two other support points; or b) four or more castors/wheels, at least two of which shall be lockable through a parking device which shall fulfil the requirements in 7.11.2.</p>	N/A
7.11.2	<p>Requirements for parking device When tested in accordance with 7.11.3.1 and 7.11.3.2, the parking device shall not break and it shall still function as intended. When tested in accordance with 7.11.3.3 the parking device shall prevent the castors/wheels from rolling and they shall not unlock.</p>	N/A
7.12*	<p>Hazards due to inadequate stability The bath tub shall not tip over when tested in accordance with 7.12.2.1. When the bath tub can be used on a stand, the bath tub shall not tip over and the stand shall not collapse when tested in accordance with 7.12.2.2.</p>	PASS
8	<p>Product information</p>	N/C

Note: N/A = Not applicable, N/C = Not conducted as per client's request
Item with * means it passed at the first retest.

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Sample Photo:

Received sample (front view)



Received sample (side view)



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End of Report

