


TEST REPORT
EN 14516
Bathtubs for domestic purposes

Report Reference No.: 151202034GZU-002

Tested by (name and signature): Syanson Xu



Approved by (name and signature)...: Bill Dai



Date of issue: December 18, 2015

Contents: Total test report 14 pages including:
 Report text: 11 pages
 Appendix A for product photos: 2 pages
 Appendix B for revision page: 1 page

Testing Laboratory name: Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Address: Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China 510663

Testing location: Same as above

Applicant's name.....: HANGZHOU AIWEIJIA SANITARY WARE CO., LTD

Address: Mifeng Village, Yipeng Town, Xiaoshan, Hangzhou, Zhejiang, P.R. China

Test specification:

Standard.....: EN 14516:2015 (E)

Non-standard test method.....: N/A

Test Report Form No.....: TTRF EN 14516:2015 (E)

TTRF Originator: Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Master TTRF: Dated 2008-01

Test item description: Bathtub

Trade Mark: —

Model and/or type reference: See "General product information" on page 3~5

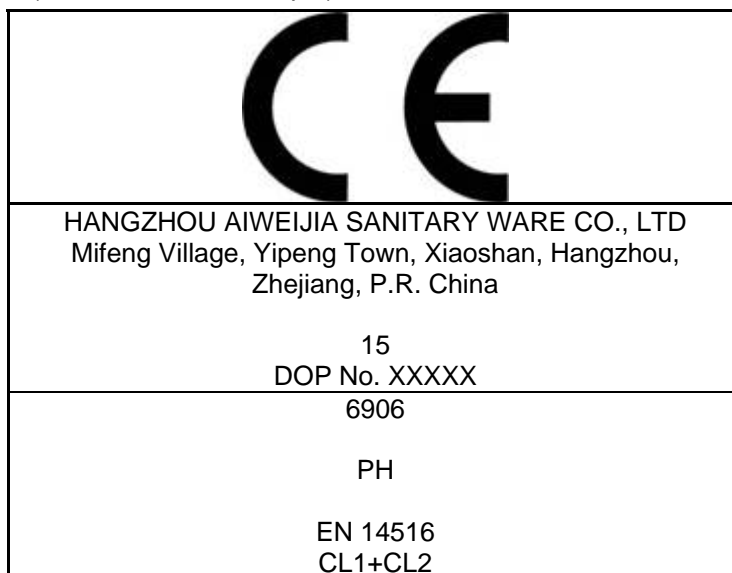
Manufacturer: HANGZHOU AIWEIJIA SANITARY WARE CO., LTD

Rating(s): See "General product information" on page 3~5

Copy of marking plate and summary of test results (information/comments):

Note: The CE marking symbol to affix shall be in accordance with Directive 93/68/EEC and shall be shown on the bathtub (or when not possible it may be on the accompanying commercial documents, e. g. delivery note).

CE marking for bathtub (Model 6906 for example):



Remark:

1. "XXXXX" should be the reference number of the DoP.

Summary of testing:

The submitted samples were tested and found to **COMPLY WITH** applicable requirements of EN 14516:2015 (E).

Remark: This report does not apply to the waste fittings, only responsible for the bathtub.

Test item particulars	
Classification of installation and use	Used for personal hygiene
Supply Connection	—
Possible test case verdicts:	
- test case does not apply to the test object	N/A
- test object does meet the requirement	P(Pass)
- test object does not meet the requirement.....	F(Fail)
Testing	
Date of receipt of test item	December 2, 2015
Date (s) of performance of tests	December 2, 2015 – December 17, 2015
General remarks:	
<p>This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.</p> <p>“(see remark #)” refers to a remark appended to the report. “(see Appendix #)” refers to an appendix appended to the report.</p> <p>Throughout this report a comma (point) is used as the decimal separator.</p> <p>When determining the test result, measurement uncertainty has been considered.</p> <p>The clause which indicated with * is the subcontract test item.</p>	

General product information:			
No.	Evaluated model no.	Overall size(mm)	Description
1	Egg Line	1700x800x600	Manufactured from Acrylic, without faucet mounting holes, with overflow hole, for personal hygiene
2	Linea T	1700x800x600	
3	Tender	1700x800x750	
4	Allure	1600x750x600	
5	Linea Slim	1500x750x600	
6	Egg Ultra	1900x850x580	
No.	Covered model no.	Overall size (mm)	Description
1	Egg Plus	1700x850x580	Manufactured from Acrylic, without faucet mounting holes, with overflow hole, for personal hygiene
	Egg Plus	1500x800x580	
2	Egg Dot	1700x800x580	
	Egg Dot	1500x750x580	
3	Banana Max	1800x890x760	
4	Egg Ultra	1900x850x580	
5	Linea Combine	1730x780x590	

General product information:			
No.	Covered model no.	Overall size (mm)	Description
6	Egg Elegant	1700x800x580	Manufactured from Acrylic, without faucet mounting holes, with overflow hole, for personal hygiene
	Egg Elegant	1500x750x600	
	Egg Elegant	1600x750x600	
7	Egg Tradition	1730x780x590	
8	Linea Combine	1700x800x580	
	Linea Combine	1500x750x580	
	Linea Combine	1400x700x580	
	Linea Combine	1300x700x580	
9	Allure Elegant	1700x800x580	
	Allure Elegant	1600x750x580	
	Allure Elegant	1500x750x580	
10	Linea	1700x800x600	
	Linea	1600x800x600	
	Linea	1500x750x600	
11	Linea Box	1700x800x600	
	Linea Box	1500x750x600	
12	Linea Tradition	1700x800x600	
	Linea Tradition	1600x800x600	
	Linea Tradition	1500x750x600	
13	Banana	1700x800x720	
	Banana	1500x750x700	
14	Allure	1720x820x600	
	Allure	1600x750x600	
	Allure	1500x750x600	
15	Linea T	1700x800x600	
	Linea T	1500x750x600	
16	Linea T Inner	1700x800x600	
	Linea T Inner	1500x750x600	
17	Linea Slim	1700x800x600	
	Linea Slim	1500x750x600	
18	Linea Wall	1700x800x600	
	Linea Wall	1500x750x600	
19	Linea Elegant	1700x750x600	
	Linea Elegant	1700x800x600	
	Linea Elegant	1500x750x600	
20	Egg	1400x700x580	
	Egg	1300x700x580	
21	Egg Line	1700x800x600	
	Egg Line	1500x750x600	
22	Egg Max	1650x900x580	
	Egg Max	1550x850x580	
	Egg Elegant	1400x750x600	
23	Linea Box	1600x800x600	
	Egg Max	1750x1000x580	

General product information:

No.	Covered model no.	Overall size (mm)	Description
24	Tender Curve	1800x800x720	Manufactured from Acrylic, without faucet mounting holes, with overflow hole, for personal hygiene
25	Tender Slim	1800x800x660	
26	Banana Slim	1700x800x800	
27	Tender X	1800x870x650	
	Tender X	1700x800x680	
28	Egg	1700x800x580	
	Egg	1600x780x580	
	Egg	1500x750x580	
29	Allure Line	1700x800x580	
30	Tender	1700x800x750	
	Tender	1700x780x750	
31	Tender Max	1800x870x650	
	Tender Max	1700x800x680	

Remark:

The evaluate models and covered models were same in materials and manufacturer process, just different in size or shape.

EN 14516			
Clause	Requirement - Test	Result - Remark	Verdict
5	Requirements for class 1 products		
5.1	General The manufacturer shall provide instructions with each bathtub covering installation and care.	Complied	P
5.2	Cleanability		
5.2.1	Appearance of surface When inspected under strong and oblique illumination, the surfaces shall be visibly smooth, non-absorbent and free from inaccessible corners that would impair the cleanability.	No defect	P
5.2.2	Drainage of water		
	Bathtubs shall have at least one waste outlet hole. The dimensions of the waste outlet hole shall comply with the requirements of EN 232. Other dimensions are permissible, if the manufacturer provides or recommends a suitable waste fitting.....:	The manufacturer provided a suitable waste fitting.	P
	All water shall empty from the bathtub unless prevented by surface tension.....:	No water remained.	P
5.3	Durability		
5.3.1	General Conformance with requirements of 5.3.2 to 5.3.4 give an assurance of durability of cleanability	Complied	P
5.3.2	Stability of bottom There should be no permanent distortion or other defects, e.g. cracks, such that the requirements of 5.2.2 are not satisfied.....:	No permanent distortion or other defects.	P
5.3.3	Resistance to chemicals and staining agents		
5.3.3.1	General Bathtubs, other than those made from the materials specified in 5.3.3.2, the surface finish shall be unaffected by the chemicals and stains specified in Table 1 except for superficial surface changes which are removable with water or with water and specified abrasive agent.....:	No affection to the surface by the chemicals and stains.	P

EN 14516			
Clause	Requirement - Test	Result - Remark	Verdict
5.3.3.2	Particular requirements for bathtubs made of enamelled steel and enamelled cast iron Bathtubs made from enamelled steel and enamelled cast iron shall comply with the requirements given in Table 2		N/A
	Resistance to boiling water: < 10 g/m ²		N/A
	Resistance to cold citric acid: Class 2		N/A
	Resistance to boiling citric acid: < 5 g/m ²		N/A
	Resistance to cold sulphuric acid: Class 2		N/A
	Resistance to alkali solutions: < 8 g/m ²		N/A
5.3.4	Resistance to temperature changes Bathtubs shall show no evidence of distortion or other defects, e.g. crazing, which will impair their cleanability.....:	No evidence of distortion or other defects.	P
6	Requirements for class 2 products		
6.1	General The manufacturer shall provide instructions with each bathtub covering installation and care.	Complied	P
6.2	Cleanability		
6.2.1	Appearance of surface When inspected under strong and oblique illumination, the surfaces shall be visibly smooth, non-absorbent and free from inaccessible corners that would impair the cleanability.	No defect	P
6.2.2	Drainage of water		
	Bathtubs shall have at least one waste outlet hole. The dimensions of the waste outlet hole shall comply with the requirements of EN 232. Other dimensions are permissible, if the manufacturer provides or recommends a suitable waste fitting.....:	Manufacturer provided waste fitting.	P
	All water shall empty from the bathtub unless prevented by surface tension.....:	No water remained.	P
6.3	Durability		
6.3.1	General Bathtubs shall be readily cleanable for their anticipated working life when normal cleaning and maintenance is carried out.	Complied	P

EN 14516			
Clause	Requirement - Test	Result - Remark	Verdict
6.3.2	Materials Experience has shown that bathtubs made from plastics materials, enamelled steel, enamelled cast iron, stainless steel, glazed ceramics or glass and their surfaces intended to come into contact with water have the properties described in 6.3.1.	Complied	P
7	Dangerous substances	Informative	—
9	Marking, labelling and packaging		P
	Name or identifying mark and registered address of the manufacturer.....:	See CE markings on page 2	—
	The last two digits of the year in which it was first affixed.....:		—
	The unique identification code of the product-type.....:		—
	The reference number of the declaration of performance.....:		—
	The level or class of the performance declared.....:		—
	The reference to the harmonized technical specification applied.....:		—
	The intended use as laid down in the harmonized technical specification applied.....:		—
10	Assessment and verification of constancy of performance - AVCP		—
10.1	General The compliance of a shower enclosure with the requirements of this standard and with the performances declared by the manufacturer in the Declaration of Performance (DoP) shall be demonstrated by clause 10.2 and 10.3		P
10.2	Type testing		P
10.2.1	General All performances related to characteristics included in this standard shall be determined when the manufacturer intends to declare the respective performances unless the standard gives provisions for declaring them without performing tests. (e.g. use of previously existing data, CWFT and conventionally accepted performance)		P

EN 14516			
Clause	Requirement - Test	Result - Remark	Verdict
10.2.2	<p>Further type testing</p> <p>Baths are considered to be of the same type, when they have the same design, construction and performance characteristics and when they are of the same material, however they may have different features.</p> <p>Whenever a change occurs in the bath, the raw material or supplier of the components, or the production process that would change significantly one or more of the stated characteristics, the type tests shall be repeated for the appropriate characteristics.#</p>		P
10.2.3	<p>Samples, testing and compliance criteria</p> <p>The bath shall be subjected to and pass the relevant tests in Table 4 or Table 5 before delivery commences.</p>		P
10.3	Factory Production Control (FPC)		P
10.3.1	<p>General</p> <p>The manufacturer shall establish, document and maintain a factory production control (FPC system to ensure that the products placed on the market conform with the stated performance characteristics.</p>	The applicant supplied ISO 9001 certificate.	P
10.3.2	<p>Test equipment</p> <p>All weighing, measuring and testing equipment shall be calibrated and regularly inspected according to documented procedures, frequencies and criteria.</p>	The applicant supplied ISO 9001 certificate.	P
10.3.3	<p>Raw materials and components</p> <p>The specifications of all incoming raw materials and components shall be documented, as shall the inspection scheme for ensuring their conformity.</p>	The applicant supplied ISO 9001 certificate.	P
10.3.4	<p>Product testing and assessment</p> <p>The manufacturer shall establish and document procedures to ensure that the stated values of all of the characteristics are maintained.</p>	The applicant supplied ISO 9001 certificate.	P
10.3.5	<p>Non-conforming products</p> <p>If during the factory production control non-conforming products are detected, there shall be immediately implemented measures for correction of failure and handling defective products</p>	The applicant supplied ISO 9001 certificate.	P

EN 14516			
Clause	Requirement - Test	Result - Remark	Verdict
10.3.6	<p>Corrective action</p> <p>The manufacturer shall have documented procedures that instigate action to eliminate the cause of non-conformities in order to prevent recurrence.</p>	The applicant supplied ISO 9001 certificate.	P

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**Appendix A
Revision page**

Revision No.	Date	Changes	Author	Reviewer
0	December 18, 2015	First issue	Syanson Xu	Bill Dai

*****End of this report*****