

Test Report

No.: SHD002928347

Date: OCT.26,2009

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TANGSHAN EVERSON CO, LTD

EAST VILLA DACHENGGSHAN PARK, BEIXIN EAST ROAD, TANGSHAN, 063000 HEBEI, CHINA

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

Sample Description : ELP5211 PEDESTAL WASH BASINS
Sample Receiving Date : OCT.23,2009
Testing Period : OCT.23,2009 TO OCT.26,2009
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested : 1.DIN EN 14688-2007 SANITARY APPLIANCES –WASH
BASINS - FUNCTIONAL REQUIREMENTS AND TEST
METHODS
2. BS EN 31-1999 PEDESTAL WASH BASINS-
CONNECTING DIMENSIONS
Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE
FOLLOWING PAGE(S)
Conclusion : THE SUBMITTED SAMPLE MET THE TEST
REQUIREMENT.

Signed for and on behalf of
SGS-CSTC Ltd.



Roy Chen
Section Head

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General product information

Manufactured from TANGSHAN EVERSON CO.,LTD

The sample submitted was a CERAMIC WASH BASIN, MADE OF WHITE CERAMIC, WITH PEDESTAL, SINGLE TAP HOLE, WASTE OUTLET WITH OVERFLOW, OVERFLOW CLASS: CL25

Model: ELP5211

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



CE marking on the product

Summary of testing:

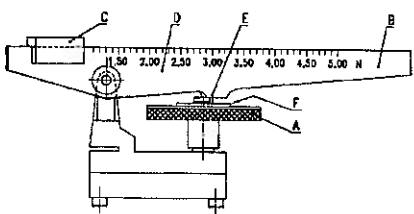
The submitted sample was tested and found to comply with applicable requirements of EN 14688:2007 & BS EN 31:1999

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Test Conducted :

1. **DIN EN 14688-2007 Sanitary Appliances –Wash Basins - Functional Requirements and Test Methods**
2. **BS EN 31-1999 Pedestal Wash Basins-Connecting Dimensions**

Sample Size: 1 piece

Clause	Test Method/ Requirement	Rating/Result
4.1 Load Stability	After applying a force of 1.50 ± 0.01 KN on the top of a wooden beam with a cross section of 100 mm X 100 mm positioned across the geometric centre of the bowl for 1 hour, the wall-hung wash basins shall not crack, become detached from the wall or show permanent distortion.	N/A (It does not belong to wall-hung washbasin)
4.2 Draining of Water	Pour not less than 1 l water evenly around the upper inside edge of the bowl. All water shall drain away.	Pass
4.3 Resistance to Temperature Changes	There shall not show defects, such as cracks or delamination after 1000 temperature changes. Hot water: $70 \pm 2^\circ\text{C}$ for 90 ± 1 s at a flow of 0.1 ± 0.01 l/s, stop 30 ± 1 s; Cold water: $15 \pm 2^\circ\text{C}$ for 90 ± 1 s at a flow of 0.1 ± 0.01 l/s, stop 30 ± 1 s; Experience has shown that wash basins made of glazed ceramics, stainless steel, enameled steel and glass comply with this requirement.	Pass
4.4 Resistance against Chemicals and Staining Agent	Deposit a drop of the test solution and cover the drop with watch glass. Allow the selected chemical to act for 2 ± 0.25 h at room temperature. Wash basins shall not show any permanent surface deterioration, such as stains or deterioration not removable with water or abrasive agent. Experience has shown that wash basins made of glazed ceramics, stainless steel, enameled steel and glass comply with this requirement.	Pass
4.5 Surface Stability	Adjust the height of the arm (B) so that it is horizontal when the diamond point rests on the test specimen. Apply a force of 20 ± 0.1 N and start rotating the turntable to produce a scratch of 3~4 cm long.  Any scratch shall not exceed 0.1 mm and/or the total depth of the top layer whichever is the least. Experience has shown that wash basins made of glazed ceramics and enameled steel comply with this requirement.	Pass

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Clause	Test Method/ Requirement	Rating/Result												
4.5 Surface Stability	<p>Prepare sufficient abrasive wheels for the test, using unused abrasive paper. Fit two wheels to the machine loaded to 250 g each. Clamp the specimen in the holder. Lower the wheels onto the specimen and open the machine.</p> <p>Replace the abrasive paper after every 100 revolutions and stop the test after 750 revolutions.</p> <p>The top layer of the test specimen shall not be abraded through.</p> <p>Experience has shown that wash basins made of glazed ceramics and enameled steel comply with this requirement.</p>	Pass												
4.6 Cleanability	<p>Visually examine the function surfaces of the wash basins using a suitable source. The sample shall have smooth and readily cleansed non-absorbent functional surfaces which are free from acute internal corners which would be difficult to clean.</p>	Pass												
4.7 Protection against Overflowing	<p>The sample shall be installed horizontally in accordance with the manufacturer's instructions. Adjust the quantity of water supply in such a way that no water spills over the external rim of the wash basin.</p> <p>Read the water flow rate after a steady state. The flow rate of a single overflow shall not be less than the values given in this standard.</p> <table border="1" data-bbox="443 1019 869 1243"> <thead> <tr> <th>Overflow class</th> <th>Overflow rate: l/s</th> </tr> </thead> <tbody> <tr> <td>CL 25</td> <td>0.25</td> </tr> <tr> <td>CL 20</td> <td>0.20</td> </tr> <tr> <td>CL 15</td> <td>0.15</td> </tr> <tr> <td>CL 10</td> <td>0.10</td> </tr> <tr> <td>CL 00</td> <td>Non-overflow</td> </tr> </tbody> </table>	Overflow class	Overflow rate: l/s	CL 25	0.25	CL 20	0.20	CL 15	0.15	CL 10	0.10	CL 00	Non-overflow	Pass (Overflow class: CL 25 Overflow rate: 0.267 l/s)
Overflow class	Overflow rate: l/s													
CL 25	0.25													
CL 20	0.20													
CL 15	0.15													
CL 10	0.10													
CL 00	Non-overflow													
4.8 Durability	<p>Products conforming to the requirements of 4.1 to 4.7 are deemed to be durable.</p>	Pass												
BS EN 31:1999														
2.1 Pedestal wash basin for three-hole fitting	<p>The connecting dimensions of pedestal wash basins for three-hole fittings shall comply with the dimensions given in table 1.</p>	N/A												
2.2 Pedestal wash basin for single-hole fitting	<p>The connecting dimensions of pedestal wash basins for single-hole fittings shall comply with the dimensions given in table 2.</p>	Pass												
3.1 Waste outlet hole with overflow	<p>The connecting dimensions of a waste outlet hole with overflow shall comply with the dimensions given in Table 3.</p>	Pass												
3.2 Waste outlet hole without overflow	<p>The connecting dimensions of a waste outlet hole without overflow shall comply with the dimensions given in Table 4.</p>	N/A												

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Remark:

1. N/A =Not applicable; N/C= Not conducted

Result 1

Designation	Symbol	Requirement	Result mm
Diameter of the tap hole	d_2	35^{+2}_{-1}	34.25
Horizontal distance between the centre line of the tap hole to the edge of the bowl	g_1	≤ 80	58.02
Width of the flat plane of the tap platform from the centre of the tap hole to the back edge of the flat plane	g_4	≥ 32	50.05
Distance from the centre line of the tap hole to the backwall	g_5	≥ 55	81.21
Radius of a cylinder having the same centre line as the tap hole of a depth 0 mm to 5 mm from the lower plane of the tap hole	r	≥ 25	29.94
Radius of a cylinder having the same centre line as the tap hole of a depth of min.5 mm from the lower plane of the tap hole	r_1	≥ 30	32.40
Thickness of the tap platform at the level of the zone concentric to the tap hole	s	≤ 18	9.58
Horizontal distance between the centre line of the tap hole and the centre line of the waste outlet hole	t	≤ 170	117.90

Result 2

Designation	Symbol	Requirement	Result mm
Bore of the waste outlet hole	d_3	46^{+2}_{-3}	44.22
Reference diameter	d_4	63	59.18
Diameter of the waste outlet hole	d_5	≤ 75	68.42
Diameter of the base for the seal between the waste outlet hole and the trap	d_6	≥ 60	69.29
Height for appliance with an overflow	h	45^{+5}_{-0}	42.03
Distance between the reference diameter d_4 and the base for the seal	h_1	45^{+0}_{-5}	46.83
Vertical distance between the tap platform and the underside of the waste outlet hole	p	≤ 250	186.80

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Sample Photo:

Front View



Side View



Top View



End of Report

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