

TEST REPORT

Mechanical & Hardgoods Lab

Report No. : HL60183/2007

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Date : AUG. 12, 2007

I HORN INDUSTRIAL CO., LTD.

No.150,Lane 1, Sec.1, Changrong Rd., Gueiren, Tainan

The following merchandise was submitted and identified by the applicant as:

Product Description: Single Bowl Sink
Style/Item No.: IA-880
Manufacturer/Vendor: I HORN INDUSTRIAL CO., LTD.
Country of Origin: Taiwan

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Requested:

For complies with ANSI Z124.6-1997 American National Standard for Plastic Sinks.

Test Results:


- See Attached Sheets -

Conclusion:

In our opinion, the submitted sample **complies with** of ANSI Z124.6-1997 American National Standard for Plastic Sinks.

Testing Period: JUN. 21, 2007 ~ AUG. 10, 2007

Signed for and on behalf of
SGS Taiwan Ltd.


Owen Cheng
Asst. Manager

TW 5108508

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ANSI Z124.6-1997 American National Standard for Plastic Sinks.

Test Result:

Clause

Result

3. Workmanship and finish

Pass

3.3 Surface test

3.3.2 Performance requirement.

The finished surface of the units shall be free from cracks, chipped areas and blisters. Such defects shall be determined by inspection as specified in 3.2 after surface condition and application of ink as specified in 3.3.1.

Pass

3.4 Subsurface test

3.4.2 Performance requirements.

There shall be no visible voids larger than 1.6 mm. in diameter below the original finish surface. The maximum allowable number of voids smaller than 1.6 mm for the conditioned area shall be 4.

4. Structural integrity of complete units

4.1 Drain fitting connection (All Sinks)

Pass

4.1.2 Performance requirements.

There shall be no visible cracks in the unit interior surface when inspected with the load in place after again inking. While the load is applied in the three positions, no leaks shall be permitted.

4.2 Impact tests

4.2.1 Point impact (all sinks)

Pass

4.2.1.2 Performance requirement.

The unit shall not show any cracks or chips after inking test.

4.2.2 Knife drop test. (Kitchen and bar sinks only)

Pass

4.2.2.2 Performance requirement.

After inspecting for damage by inking, the unit shall not show any cracks or fractures. Any damage shall not extend through the surface finish and shall be restorable to appearance the original finish by using abrasives and polishing compounds.

4.2.3 Skillet drop test. (kitchen sinks only)

Pass

4.2.3.2 Performance requirements.

After inspecting for damage by inking test, the unit shall not show any cracks or fractures.

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Test Result:

<u>Clause</u>	<u>Result</u>
4.3 <u>Load test. (kitchen, service, and laundry sinks only)</u>	<u>Pass</u>
4.3.2 Performance requirements. Following the test described in 4.3.1, there shall be no cracks in the surface of the unit when inspected after again inking , The maximum residual deflection 10 minutes after removal of the load shall not exceed 0.25 mm.	
4.4 <u>Vibration test</u>	<u>Pass</u>
This test shall be performance only on sink compartment with an outlet of 3-1/2 inches diameter or greater.	
4.4.2 Performance requirement. The unit shall not show any signs of cracks or fractures.	
5. <u>Physical characteristics of materials</u>	
5.1 <u>Colorfastness and aging test. (kitchen and bar sinks only)</u>	<u>Pass</u>
5.1.2 Performance requirement. Tested specimens shall not show any cracking, crazing, blistering, or significant change in color or surface texture when compared with the control specimen when using a light source.	
5.2 <u>Stain resistance test. (all sinks)</u>	<u>Pass</u>
5.2.2 Performance requirement. The maximum stain resistance rating shall be the sum of all the individual stain ratings for each of the covered and uncovered stain areas. The maximum allowable total rating shall be 64. The maximum allowable thickness of material removed to eliminate the stain shall be 0.127 mm.	
5.3 <u>Wear and cleanability test. (all sinks)</u>	<u>Pass</u>
5.3.4 Performance requirement. If a surface finish is used, it shall not be worn through in the middle third of the specimen. Each specimen, after 10,000 cycles, shall pass the cleanability test with an absolute percentage loss of white-light reflectance of not more than 5% after the cleaning with standard liquid detergent and absolute percentage loss of white-light reflectance of not more than 2% after the additional cleaning with abrasive slurry.	

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Test Result:

<u>Clause</u>	<u>Result</u>
5.4 <u>Cigarette test. (all sinks)</u>	<u>Pass</u>
5.4.2 Performance requirements. There shall be no ignition or progressive glow of the surface during or after contact with the lighted cigarettes. Any resulting, damage shall not impair the serviceability of the unit and shall be restorable, using abrasive and polishing compound to approximate the original finish.	
5.5 <u>Chemical resistance test. (all sinks)</u>	<u>Pass</u>
5.5.2 Performance requirement. There surface finish shall be unaffected by the reagents except for superficial surface changes which are removable by sanding with 600 grit wet or dry sandpaper and water. Any resulting damage shall not impair the serviceability of the unit, and shall be easily repairable by using abrasive and polishing compounds to approximate the original finish.	
5.6 <u>Heated pan test. (kitchen sinks only)</u>	<u>Pass</u>
5.6.2 Performance requirement. There shall be no cracking, crazing, or blistering. Any discoloration shall be removable using abrasive and polishing compound to approximate the original finish and serviceability.	
5.7 <u>Hot wax test. (kitchen sinks only)</u>	<u>Pass</u>
5.7.2 Performance requirement. There shall be no cracking, crazing, or blistering. Any discoloration shall be removable using abrasives and polishing compound to approximate the original finish and serviceability.	
6. <u>Additional material tests.</u>	
6.1 <u>Thermal shock resistance test. (kitchen, laundry and service sinks only)</u>	<u>Pass</u>
6.1.2 Performance requirement. No cracking, crazing, blistering, peeling, or delamination shall be permissible.	
6.2. <u>Thermal shock resistance test. (bar sinks only)</u>	<u>Pass</u>
6.2.2 Performance requirement. There shall be no cracking, crazing, blistering, or spalling; or delamination shall be permissible.	
7. <u>Provisions for government procurement</u>	

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- Picture Page -

Appearance of Sample



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