



# TEST REPORT

**Report No.** ..... : WTF23F05100778C  
**Applicant** ..... : Mid Ocean Brands B.V.  
**Address** ..... : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan,  
Kowloon, Hong Kong  
**Manufacturer** ..... : 109623  
**Sample Name** ..... : Mug and spoon with Santa decor  
**Sample Model** ..... : CX1304  
**Test Requested** ..... : 1) Client's requirements - BS EN 12875-4:2006 Mechanical  
dishwashing resistance of utensils - Part 4: Rapid test for  
domestic ceramic articles  
2) Client's requirements - BS EN 15284:2007 Test Method  
for the Resistance to Microwave Heating of Ceramic, Glass,  
Glass-Ceramic or Plastic Cookware  
**Test Conclusion** ..... : Refer to next page (s)  
**Date of Receipt sample** ..... : 2023-05-10  
**Testing period** ..... : 2023-05-10 to 2023-05-17  
**Date of Issue** ..... : 2023-05-18  
**Test Result** ..... : Refer to next page (s)

**Prepared By:**

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Signed for and on behalf of  
Waltek Testing Group (Foshan) Co., Ltd.

*Swing Liang*

Swing.Liang



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Sample photo:



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**Test Result:**

**1) Dishwasher Safe (BS EN 12875-4:2006)**

Test Standard	:	BS EN 12875-4:2006 Mechanical dishwashing resistance of utensils - Part 4: Rapid test for domestic ceramic articles
Procedure	:	<p>1. Preparation of test specimens</p> <p>1.1 Remove any surface contamination from the test specimens, e.g. by washing the specimens by hand in a mild liquid detergent at about 45°C, followed by rinsing and drying with a clean cloth.</p> <p>1.2 Place the test specimens in the inspection site and examine them with normal corrected vision from a distance of (30±10) cm, while the viewing angle is changed. All test specimens of a given type shall be of comparable quality in gloss and colour; discard any specimens that are of inferior quality. Retain one specimen as an untested reference standard.</p> <p>2. Immersion of test specimens</p> <p>2.1 Determine the surface area of the test specimens. Fill the tank with sufficient water to completely cover the specimens. Check for compliance with the surface area to volume criterion; if the calculated surface area approaches the critical limit of 130 cm<sup>2</sup>/l, a greater volume shall be used.</p> <p>2.2 Cover the tank and adjust the water bath temperature to give a test tank temperature of (75±1)°C. Record the tank temperature.</p> <p>2.3 Add sufficient detergent to give a 0.5% solution in the test tank. Stir well to disperse the detergent. Immediately lower the test specimens, in the racks, into the tank and cover with the lid.</p> <p>2.4 After 16h±10 min, record the temperature in the tank and remove the test specimens. Rinse the test specimens in hot water and rub dry with a clean cloth (the rubbing action will also remove any loose colour).</p> <p>2.5 Examine the specimens, comparing tested items with the corresponding untested reference standards and report any changes in gloss or colour using the method described in EN 12875-2.</p> <p>2.6 Repeat the immersion procedure for a further 16h±10 min using fresh detergent solution. Remove the test specimens, rinse and dry them as described in 2.4.</p> <p>2.7 Re-examine the specimens as described in 2.5 after a total of 32 hours</p>
Test Result	:	<b>PASS</b>



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**Test Result:**  
**Specimen No.1**

Test specimen	After 16 hours immersion			After 32 hours immersion		
	Gloss	Colour	Other aspects	Gloss	Colour	Other aspects
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
Average	0	0	0	0	0	0

**Specimen No.2**

Test specimen	After 16 hours immersion			After 32 hours immersion		
	Gloss	Colour	Other aspects	Gloss	Colour	Other aspects
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
Average	0	0	0	0	0	0

**Note:**

Classification	Rating
0	No visible change
1	first discernible change
2	Clearly visible change





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**2) Microwave Safe (BS EN 15284:2007)**

Test Standard	:	BS EN 15284:2007 Test Method for the Resistance to Microwave Heating of Ceramic, Glass, Glass-Ceramic or Plastic Cookware
Test Requirement	:	<ol style="list-style-type: none"> <li>1. Ceramic items shall display no signs of cracking, crazing, scaling or colour.</li> <li>2. Glass, Glass ceramic items shall display no signs of cracking, scaling or colour.</li> <li>3. Plastic items shall display no signs of cracking, colour, melting, deformation, suitability for re-use of charring.</li> <li>4. The maximum surface temperature of handles (if applicable) after the short period heating shall not exceed:               <ol style="list-style-type: none"> <li>a. Ceramic, Glass, Glass-ceramic = 56°C</li> <li>b. Plastic = 60°C</li> </ol> </li> </ol>
Conclusion(s)	:	<b>PASS</b> , Details as following <ol style="list-style-type: none"> <li>1. No visible damage was found on all tested samples after testing.</li> <li>2. No arcing was observed on all tested samples during testing.</li> <li>3. Surface temperature at the handle of the tested samples did not exceed the maximum as specified by the standard (see test data).</li> </ol>

**Test Data:**

**Specimen No.1**

Test Period	Location	Highest Temperature (°C)			Requirement
		Sample 1	Sample 2	Sample 3	
After the Short Period Heating	Handle	32.5	35.3	37.6	Ceramic, Glass or Glass-ceramic ≤ 56°C
	Surface of body	42.7	44.3	45.0	
After the Long Period Heating	Handle	62.3	69.4	66.7	No requirement
	Surface of body	82.2	86.7	96.2	

**Specimen No.2**

Test Period	Location	Highest Temperature (°C)			Requirement
		Sample 1	Sample 2	Sample 3	
After the Short Period Heating	Surface of body	44.0	44.7	49.3	No requirement
After the Long Period Heating	Surface of body	80.2	79.4	83.6	

**Description for Specimen:**

Specimen No.	Specimen Description
1	White-red mug with santa decor (Overall individual)
2	Red spoon (Overall individual)



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**Photograph of parts tested:**



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Remarks:

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===== End of Report =====

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