

Test Report

Number: SHAH01587819

Tests Conducted

4.SAFETY AND PERFORMANCE REQUIREMENTS OF MICROWAVE HEATING

Test standard: BS EN 15284: 2007– materials and articles in contact with food stuffs-test method for the resistance to microwave heating of ceramic, glass, glass-ceramic or plastics cookware.

Sample description: Americano Grande Mug -PFM253

Number of samples tested: One (1) piece per style, total One (1) style

Initial inspection: No any damage was found as received stage

Test procedure:

1. Apply a stain to the surface of the test specimen and wash clear, visually check the surface. Note any small faults before testing.
2. Immerse the test specimen (excluding glass/glass-ceramic) in water at $(20 \pm 3) ^\circ\text{C}$ for one hour and then wipe the surface dry with a cloth.
3. Pour (125 ± 2.5) ml of water into each water container and place at the back of the oven so as not to interfere with the turntable.
4. Place the test specimen at the centre of the oven on the turntable and microwave to apply the specified energy for the short period (131 seconds). Note: If electrical arcing begins immediately switch off the oven. Terminate the test and state in the test report that at the onset of electrical arcing the test was terminated.
5. After the cycle is completed, open the oven door and, if applicable, measure the highest temperature of the handle. When additional data is required, follow this procedure to find the highest surface temperature. Ensure that this process takes no longer than 45 s.
6. Immediately following step 5 setting the oven for the long period (851 seconds). Then remove the test specimen from the oven and allow it to cool on an insulated surface to prevent thermal shock.
7. Apply stain to the test specimen and wash clear (as in step 1) and Visually inspect the test specimen for any damage.
8. Repeat the test using the different article shapes in the set.

Result:

1. No damage was found on any samples after the test.
2. The maximum surface temperature of the sample after the short period (131 seconds) and long period (851 seconds) heating was record as below, which confirms to the requirement.

Position	Heating time (second)	Temperature		
		Sample A		
		1	2	3
Highest surface temperature of the handle	131	30.0 °C	31.5 °C	33.2 °C
	851	46.0 °C	46.4 °C	47.1 °C

Note:

The max. Surface temperature of handles after the short period heating shall not exceed the following limit values:

Ceramic, glass-ceramic or glass: 56°C

Plastics: 60°C

