

QUANZHOU YIQIANG PLASTIC CO., LTD.

DONGMEN INDUSTRIAL, FENGZHOU, NANAN, 362333, QUANZHOU, FUJIAN, CHINA

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

Sample Description : DISPOSABLE PLASTIC FOOD CONTAINER
Style / Item No. : YQ382/YQ383/YQF50/YQ476
Manufacture : QUANZHOU YIQIANG PLASTIC CO., LTD.
Sample Receiving Date : Jan. 9, 2017
Test Performing Date : Jan. 9, 2017 to Jan. 20, 2017
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of
Xiamen Branch, SGS-CSTC Co., Ltd.



Sharky Xia
Approved Signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Xiamen Branch Test Center Hardlines

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Microwave Oven Test

- Test Method : As per the client's requirement
- Test Sample : 2 Pieces
- Control Sample : 1 Piece
- Type of sample (X) mugs, cups, bowls, pitchers, and teapots; () dessert plates and saucers
() dinner plates and serving platters; () Other
- Test Procedure :
1. Visually inspect samples and record any cosmetic defects.
 2. **For mugs, cups, bowls, pitchers, and teapots:** Fill samples two-thirds (2/3) full with cold water and place on the turntable in the microwave oven. Shut the microwave oven door.
 3. **For dessert plates and saucers:** Place one-half (1/2) cup of cold cooked macaroni mixed with one tablespoon cooking oil on the dessert plate or saucer and place on the turntable in the microwave oven. Shut the microwave oven door.
 4. **For dinner plates and serving platters:** Place one (1) cup of cold cooked macaroni mixed with one tablespoon cooking oil on the dinner plate or serving platter and place on the turntable in the microwave oven. Shut the microwave oven door.
 5. Set the microwave to 800 watt output and run for 5 minutes.
 6. Record any cracking, chipping, crazing, breakage, discoloration, deformation, or warping of product.
 7. After 5 minutes remove product from microwave and immediately measure and record surface temperature with IR thermometer or thermocouple.
 - A. Measure temperature of mugs on top portion of handle.
 - B. Measure plate or bowl temperatures near top rim of plate or bowl (at a normal hand contact point).
 - C. All samples must have the surface temperatures measured and recorded within 1 minute after the oven has stopped heating. Only one sample should be removed from the oven at a time.
 - D. Only measure the surface temperature of the items after the first 5-minute cycle.



8. Let samples sit at room temperature for 5 minutes.
9. If necessary, add cold water to cups, mugs, bowls and pitchers to ensure that they are two-thirds (2/3) full of water.
10. Replace hot macaroni on plates, saucers, and serving platters with cold macaroni.
11. Remove each sample from the microwave oven and visually examine at the end of each cycle for total of five (5) cycles.
12. Compare test samples to the untested standard. Record any cracking, chipping, crazing, breakage, discoloration, deformation, or warping of product after five (5) complete microwave cycles.

Test Requirement

- : The product fails the microwave test if:
1. If the surface temperature of the samples is greater than 140°F (60°C) after the first 5 minutes (1st cycle).
 2. When compared to the standard, any of the tested samples show signs of cracking, chipping, crazing, breakage, discoloration, deformation, or warping during or after 5 complete microwave cycles.

Test Result

- : **Pass**
1. The maximum surface temperature of the sample which after the first 5 minutes (1st cycle): 136.04°F (57.8°C)
 2. No visible change.



Sample photo(s):



Sample as received

The testing report/certificate only refers to the sample(s) tested.

End of Report



SGS-CTC Standards Technical Services Co., Ltd.
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