

TEST REPORT

APPLICANT : Mid Ocean Hong Kong Ltd.

ADDRESS : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.

SAMPLE DESCRIPTION : PP mug in double wall

ITEM NO. : MO6582, MO6583

VENDOR CODE : 111034

SAMPLE RECEIVED DATE : 09-May-2022

FURTHER INFORMATION DATE : 16-May-2022

TURN AROUND TIME : 09-May-2022 to 18-May-2022

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Mechanical dishwashing resistance of utensils- Part 1: Reference test method for domestic articles	EN 12875-1: 2005	See Test Result
Mechanical dishwashing resistance of utensils- Part 2: Inspection of non-metallic articles	EN 12875-2:2001	See Test Result

Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to info.hz@eurofins.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to chinacomplaint@eurofins.com and referring to this report number.

Eurofins (Hangzhou) contact information**Customer service:** CandyWanyan@eurofins.com/ +86 571 87203730**Sales specialist:** JackZhang@eurofins.com/ +86 216 1819 181

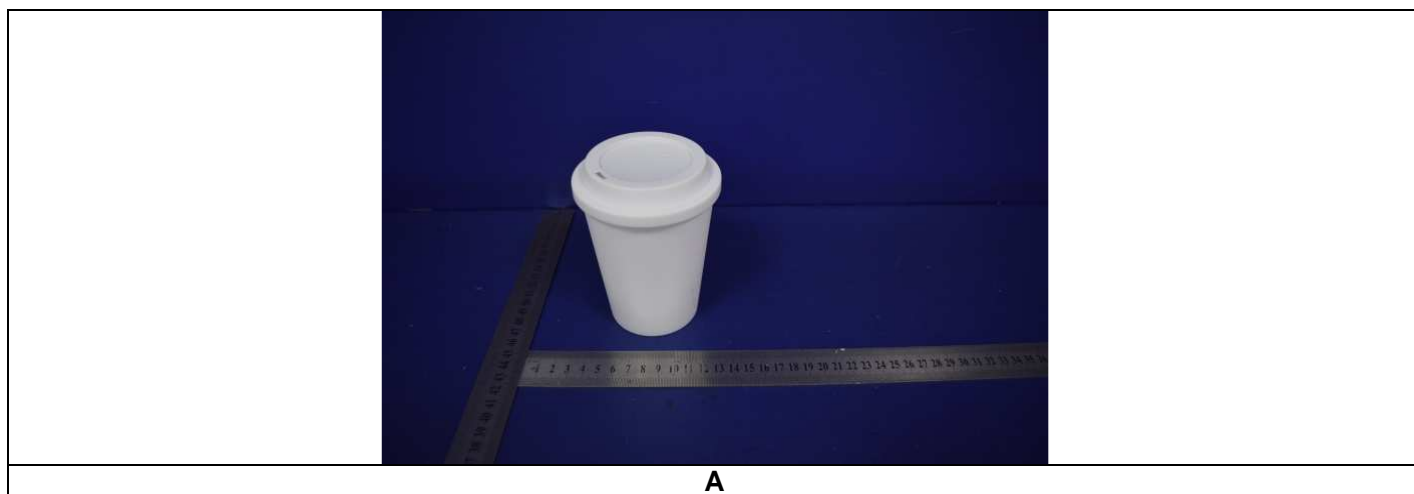
***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
Eurofins Product Testing Service (Shanghai) Co., Ltd. Hangzhou Branch



Jack Ma
Lab Manager of HZ Hardline Laboratory

SAMPLE PHOTO(S)



EFHZ22050825-CG-01

TO BE CONTINUED

REFERENCE SAMPLE PHOTO(S)



The reference samples have not been tested in current report, but according to customer's request, the pictures have also been included. For sample tested in current report, please refer to "sample photo".

TO BE CONTINUED

TEST RESULT

Dishwasher Test

✓ **1. EN 12875-1:2005** ; **2. Dishwasher Safety Test (In House Method)**

Test Conducted:

✓ **EN 12875-1: 2005 Mechanical dishwashing resistance of utensils-Part 1: Reference test method for domestic articles**

1) Number of tested sample: 2 Pieces

2) Number of controlled sample: 1 Piece

3) Test Procedure

Clause	Test item	Test methods
8.1	Preparation of test dish washer	When testing metal articles, after each regeneration of the ion exchanger with sodium chloride, run one test cycle(see 8.3) with no test specimens
8.2	Loading the test dishwasher	The test dishwasher shall be fully loaded, using dummy articles to fill excess capacity if necessary. Each specimen shall be placed in the appropriate basket making sure that the specimens will not come into contact with each other during testing. All surfaces shall be equally exposed to the water spray, and the specimens shall be positioned in a way that avoids the formation of water pools. It is permissible to simultaneously wash several different types of domestic articles of ceramic, glass, metal or plastics. Note The risk of interaction between different materials should be considered. Where there is such a risk, such specimens should not be tested together. If it is necessary to withdraw a test specimen during the test, it shall be replaced by a similar article.
8.3	Test cycle	The test cycle shall comprise the stages specified in EN 12875-1:2005
8.4	Parameter control	The parameters of the test cycle listed below shall be verified before starting the first test cycle and after every <u> 10 </u> th test cycles. as per client's request
8.5	Number of test cycles	Subject specimens to <u> 10 </u> test cycles , as per client's request

4) Test result:

EN 12875-2:2001 Mechanical dishwashing resistance of utensils-Part 2: Inspection of non-metallic articles

After 10 cycle(s)

Product No	Color	Gloss	Clouding	Resistant deposites and iridescent layers	Other aspects
A	0	0	/	0	0

TO BE CONTINUED

TEST RESULT

Table 1 – Inspection criteria

Articles with or without decoration	Colour ⁽¹⁾	gloss	Clouding	Resistant deposits and iridescent layers ⁽²⁾	Other aspects
Ceramic tableware	+	+		+	+ ⁽³⁾ (4) (5)
Glass, glass ceramic ware	+	+	+ ⁽⁶⁾	+	+ ⁽⁴⁾ (5)
Vitreous enameled tableware	+	+		+	+ ⁽³⁾ (4) (5)
Plastic articles	+	+	+ ⁽⁶⁾	+	+ ⁽³⁾ (7)

(+) = to be inspected

(1) If several colours are present on one article to be inspected, the colour with the greatest change shall be chosen.

(2) For the elimination of easily removable deposits.

(3) e.g. crazing.

(4) The adherence of decorations shall be tested by repeated wiping with a moist cloth under slight pressure.

(5) Abrasion which is caused by friction during the dishwasher treatment shall be disregarded.

(6) Transparent articles only

(7) Swelling, deformation, cracking, or delamination

Table 2 – Evaluation of inspection criteria

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

END OF THE REPORT