
Test Report

Report No. : AGC05443230817-001S3

SAMPLE NAME : Ceramic coloured mug 290 ml
MODEL NAME : MO9242
APPLICANT : MID OCEAN BRANDS B.V
STANDARD(S) : Please refer to the following page(s).
DATE OF ISSUE : Apr. 03, 2024

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.



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Applicant : MID OCEAN BRANDS B.V
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Test Site : 5,6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Report on the submitted sample(s) said to be:

Sample Name : Ceramic coloured mug 290 ml
Model : MO9242
Vendor code : 109623
Country of Origin : CHINA
Country of Destination : EUROPE
Sample receiving state : Normal
Sample Received Date : Aug. 18, 2023(Part 1, Test point:1-1 to 1-3)
Mar. 22, 2024(Part 2, Test point:1-4 to 1-5)
Testing Period : Aug. 18, 2023 to Aug. 23, 2023(Part 1, Test point:1-1 to 1-3)
Mar. 22, 2024 to Mar. 27, 2024(Part 2, Test point:1-4 to 1-5)
Test Requested : Selected test(s) as requested by client.

Test Requested:**Conclusion**

Microwave heating resistance test	Pass
Mechanical dishwashing safe test	Pass
DM-4B-COM-002-v01 for: - Leachable Lead and Cadmium	Pass
Regulation 1935/2004/EC, Council Directive 84/500/EEC and Commission Directive 2005/31/EC: - Leachable Lead and Cadmium	Pass

Approved by: 

Suhongliang, Leon

Technical Director

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Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Aug. 24, 2023	Invalid	Initial release
S1	Oct. 11, 2023	Invalid	Add photo
S2	Mar. 29, 2024	Invalid	Add test
S3	Apr. 03, 2024	Valid	Modification of Sample No.

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The photo of the sample



Part1 Test Sample



Part2 Test Sample

The photo of AGC05443230817-001S3 is for use only with the original report.

Test Point Description

Test point	Test point description
1-1	Inner white ceramic
1-2	Outer blue ceramic
1-3	Outer yellow ceramic
1-4	Inner white ceramic
1-5	Outer red ceramic

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Test Results:

Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001%

Part1:

Microwave heating resistance test

Test Result of microwave test		
Sample No.:MO9242 (Blue)		
Test method: Refer BS EN 15284 :007		
Microwave power out: 800 W		
Short period: 90 s		
Long period: 585 s		
Number of tested sample: 3 pc(s)		
Number of control sample: 3 pc(s)		
Specimen(s)	Maximum handle temperature after short period of heating	Maximum surface temperature after long period of heating
1	26.9°C	63.4°C
2	27.2°C	64.7°C
3	27.5°C	65.1°C
For all tested ceramic articles: No visible change of color was found on the tested samples after test. No visible cracking, crazing, scaling was found on the tested samples after test.		

Microwave heating resistance test

Test Result of microwave test		
Sample No.:MO9242 (Yellow)		
Test method: Refer BS EN 15284 :007		
Microwave power out: 800 W		
Short period: 90 s		
Long period: 585 s		
Number of tested sample: 3 pc(s)		
Number of control sample: 3 pc(s)		
Specimen(s)	Maximum handle temperature after short period of heating	Maximum surface temperature after long period of heating
1	25.9°C	63.6°C
2	26.6°C	63.8°C
3	25.9°C	63.9°C

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For all tested ceramic articles:
 No visible change of color was found on the tested samples after test.
 No visible cracking, crazing, scaling was found on the tested samples after test.

Mechanical dishwashing safe test

Test Result of mechanical dishwashing safe test:

Requirements:For dishwasher safe test, if there is no noticeable change in appearance (e.g. color, size and shape) and function, it should be “PASS”、

Sample No.:MO9242 (Blue)
 Test method: Refer BS EN 12875 -1-2005
 Washing temperature: 60°C
 Number of cycle: 10 cycles
 Number of tested sample: 1 pc(s).
 Number of control sample: 1 pc(s).

For all tested ceramic or glass enamel articles:
 No visible change of color and gloss was found on the tested samples after wash.
 No visible deposit or iridescent layer was found on the tested samples after wash.
 No cracking was found on the tested samples after wash.
 No decoration was detached after wash.

Mechanical dishwashing safe test

Test Result of mechanical dishwashing safe test:

Requirements:For dishwasher safe test, if there is no noticeable change in appearance (e.g. color, size and shape) and function, it should be “PASS”、

Sample No.:MO9242 (Yellow)
 Test method: Refer BS EN 12875 -1-2005
 Washing temperature: 60°C
 Number of cycle: 10 cycles
 Number of tested sample: 1 pc(s).
 Number of control sample: 1 pc(s).

For all tested ceramic or glass enamel articles:
 No visible change of color and gloss was found on the tested samples after wash.
 No visible deposit or iridescent layer was found on the tested samples after wash.
 No cracking was found on the tested samples after wash.
 No decoration was detached after wash.

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Part2:**Microwave heating resistance test****Test Result of microwave test**

Sample No.:MO9242 (Red)
Test method: Refer BS EN 15284 :007
Microwave power out: 800 W
Short period: 90 s
Long period: 585 s
Number of tested sample: pc(s)
Number of control sample: pc(s)

Specimen(s)	Maximum handle temperature after short period of heating	Maximum surface temperature after long period of heating
1	27.3°C	84.9°C
2	28.4°C	86.2°C

For all tested ceramic articles:
No visible change of color was found on the tested samples after test.
No visible cracking, crazing, scaling was found on the tested samples after test.

Mechanical dishwashing safe test**Test Result of mechanical dishwashing safe test:**

Requirements:For dishwasher safe test, if there is no noticeable change in appearance (e.g. color, size and shape) and function, it should be “PASS”、

Sample No.:MO9242 (Red)
Test method: Refer BS EN 12875 -1-200
Washing temperature: 60°C
Number of cycle: 10 cycles
Number of tested sample: 2 pc(s).
Number of control sample: 1 pc(s).

For all tested ceramic or glass enamel articles:
No visible change of color and gloss was found on the tested samples after wash.
No visible deposit or iridescent layer was found on the tested samples after wash.
No cracking was found on the tested samples after wash.
No decoration was detached after wash.

DM-4B-COM-002-v01 for:

- Leachable Lead and Cadmium

Test Methods and Equipment: EN 1388-1:1996; ICP-OES

Test point		Test Result		Conclusion
		Extractable Lead(Pb)/(mg)	Extractable Cadmium(Cd)/(mg)	
		4% Acetic acid,22°C,24h	4% Acetic acid,22°C,24h	
1-2	A	N.D.	N.D.	Conformity
	B	N.D.	N.D.	
	C	N.D.	N.D.	
	D	N.D.	N.D.	
1-3	A	N.D.	N.D.	Conformity
	B	N.D.	N.D.	
	C	N.D.	N.D.	
	D	N.D.	N.D.	
1-5	A	N.D.	N.D.	Conformity
	B	N.D.	N.D.	
	C	N.D.	N.D.	
	D	N.D.	N.D.	
Limit		2.0	0.2	/
MDL		0.01	0.001	/

Note: Results shown above are testing data of four groups.

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Regulation 1935/2004/EC, Council Directive 84/500/EEC and Commission Directive 2005/31/EC:

- Leachable Lead and Cadmium

Test Methods and Equipment: EN 1388-1:1996; ICP-OES

Test point	Test Result		Conclusion
	Extractable Lead(Pb)/(mg/L)	Extractable Cadmium(Cd)/(mg/L)	
	4% Acetic acid,22°C,24h	4% Acetic acid,22°C,24h	
1-1	N.D.	N.D.	Conformity
1-4	N.D.	N.D.	Conformity
Limit	4.0	0.3	/
MDL	0.1	0.01	/

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*** End of Report ***

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