
Test Report

Report No. : AGC05443220539-001

SAMPLE NAME : BBQ grill
MODEL NAME : MO8288
APPLICANT : MID OCEAN BRANDS B.V
STANDARD(S) : Please refer to the following page(s).
DATE OF ISSUE : Jun.02, 2022

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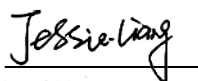
Applicant : MID OCEAN BRANDS B.V
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon,
Hong Kong.
Test Site : 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

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

Sample Name : BBQ grill
Model : MO8288
Vendor code : 104438
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Received Date : May 25, 2022
Testing Period : May 25, 2022 to Jun.02, 2022

Test Requested:**Conclusion**

- | | |
|--|-------------|
| 1. As specified by client, to determine the Lead(Pb) content in the submitted sample(s) with reference to entry 63, Annex XVII of the REACH Regulation (EC) No 1907/2006. | Pass |
| 2. As specified by client, to determine the Cadmium(Cd) content in the submitted sample(s) with reference to entry 23, Annex XVII of the REACH Regulation (EC) No 1907/2006. | Pass |
| 3. As specified by client, to determine the Phthalates content in the submitted sample(s) with reference to entry 51&52, Annex XVII of the REACH Regulation (EC) No 1907/2006. | Pass |
| 4. As specified by client, to determine the Formaldehyde Release in the submitted sample | Pass |
| 5. As specified by client, to determine Specific migration of heavy metal from Metal and alloys used in contact with food for compliance with Regulation (EC) No 1935/2004 and Technical Guide on Metals and alloys used in food contact materials of Council of Europe Resolution CM/Res (2013)9. | Pass |

Approved by: 

Liangdan, Jessie.Liang

Technical Director

Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Jun.02, 2022	Valid	Initial release

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Test Result:
1. Test Result of Lead(Pb) Content

Test Item	Lead(Pb) (CAS No.: 7439-92-1)
Limit(mg/kg)	<500
MDL(mg/kg)	10
Test Method/ Instrument	IEC 62321-5:2013/ ICP-OES

Test point	Test result (mg/kg)	Conclusion
	Lead(Pb)	
1-1	38	Conformity
1-2	N.D.	Conformity
1-3	N.D.	Conformity
1-4	N.D.	Conformity
1-5 [△]	N.D.	Conformity
1-6	N.D.	Conformity
1-7	N.D.	Conformity
1-8 [△]	N.D.	Conformity
1-9	N.D.	Conformity
1-10 [△]	N.D.	Conformity
1-11 [△]	N.D.	Conformity

2. Test Result of Cadmium(Cd) Content

Test Item	Cadmium(Cd) (CAS No.: 7440-43-9)
Limit(mg/kg)	<100
MDL(mg/kg)	10
Test Method/ Instrument	IEC 62321-5:2013/ ICP-OES

Test point	Test result (mg/kg)	Conclusion
	Cadmium(Cd)	
1-1	61	Conformity
1-6	N.D.	Conformity

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3. Test Result of Phthalates Content

Test Item	Test Method/ Instrument	MDL	Limit
Diisobutyl phthalate(DIBP) (CAS No.: 84-69-5)	EN 14372:2004/ GC-MS	0.010%	Single<0.1% Sum<0.1%
Dibutyl phthalate (DBP) (CAS No.: 84-74-2)		0.010%	
Butylbenzyl phthalate (BBP) (CAS No.: 85-68-7)		0.010%	
Di-(2-ethylhexyl) Phthalate (DEHP) (CAS No.: 117-81-7)		0.010%	Sum<0.1%
Di-n-octyl phthalate (DNOP) (CAS No.: 117-84-0)		0.010%	
Di-isononyl phthalate (DINP) (CAS No.: 28553-12-0; 68515-48-0)		0.010%	
Di-isodecyl phthalate(DIDP) (CAS No.: 26761-40-0; 68515-49-1)		0.010%	

Test point	Test result (%)									Conclusion
	DIBP	DBP	BBP	DEHP	Sum(DIBP+DBP+BBP+DEHP)	DNOP	DINP	DIDP	Sum(DNOP+DINP+DIDP)	
1-1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Conformity
1-6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Conformity

4. Test Result of Formaldehyde Release

Test Item(s)	Formaldehyde Release
Limit (Client's Requirement) (mg/kg)	80
MDL (mg/kg)	1
Test Method/ Equipment	EN 717-3:1996/ UV-Vis

Test point	Test result (mg/kg)	Conclusion
	Formaldehyde Release	
1-9	5	Conformity

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5. Test Result(s) of Specific migration of heavy metal:

Test Method: With reference to EDQM Technical Guide on Metals and alloys used in food contact materials 2013.

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			1 st + 2 nd extractives	
			1-4	
Barium (Ba)	0.5% citric acid, 100°C, 4h ICP-OES	0.1	N.D.	8.4
Copper (Cu)		0.1	N.D.	28
Iron (Fe)		0.1	7.402	280
Tin (Sn)		0.1	N.D.	700
Chromium (Cr)		0.01	0.028	1.75
Manganese (Mn)		0.1	N.D.	12.6
Zinc (Zn)		0.1	N.D.	35
Aluminium (Al)		0.1	N.D.	35
Lithium (Li)		0.01	N.D.	0.336
Beryllium (Be)		0.005	N.D.	0.07
Vanadium (V)		0.005	N.D.	0.07
Nickel (Ni)		0.01	0.061	0.98
Cobalt (Co)		0.01	N.D.	0.14
Arsenic (As)		0.002	N.D.	0.014
Molybdenum (Mo)		0.01	N.D.	0.84
Silver (Ag)		0.01	N.D.	0.56
Cadmium (Cd)		0.002	N.D.	0.035
Antimony (Sb)		0.01	N.D.	0.28
Mercury (Hg)		0.002	N.D.	0.021
Thallium (Tl)		0.0001	N.D.	0.0007
Lead (Pb)	0.01	N.D.	0.07	
Conclusion		/	Conformity	/

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Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			3 rd extractives	
			1-4	
Barium (Ba)	0.5% citric acid, 100°C, 4h ICP-OES	0.1	N.D.	1.2
Copper (Cu)		0.1	N.D.	4
Iron (Fe)		0.1	3.796	40
Tin (Sn)		0.1	N.D.	100
Chromium (Cr)		0.01	0.012	0.25
Manganese (Mn)		0.1	N.D.	1.8
Zinc (Zn)		0.1	N.D.	5
Aluminium (Al)		0.1	N.D.	5
Lithium (Li)		0.01	N.D.	0.048
Beryllium (Be)		0.005	N.D.	0.01
Vanadium (V)		0.005	N.D.	0.01
Nickel (Ni)		0.01	0.028	0.14
Cobalt (Co)		0.01	N.D.	0.02
Arsenic (As)		0.002	N.D.	0.002
Molybdenum (Mo)		0.01	N.D.	0.12
Silver (Ag)		0.01	N.D.	0.08
Cadmium (Cd)		0.002	N.D.	0.005
Antimony (Sb)		0.01	N.D.	0.04
Mercury (Hg)		0.002	N.D.	0.003
Thallium (Tl)		0.0001	N.D.	0.0001
Lead (Pb)	0.01	N.D.	0.01	
Conclusion		/	Conformity	/

Note:

mg/kg = milligram per kilogram N.D.=Not Detected (less than method detection limit)

MDL = Method Detection Limit

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Remark:

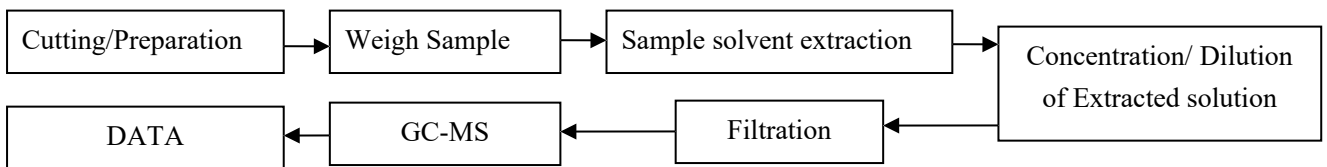
- As specified by client, only test the designated sample.
- Δ = As specified by client, the submitted samples were mixed to test.

Test Point Description

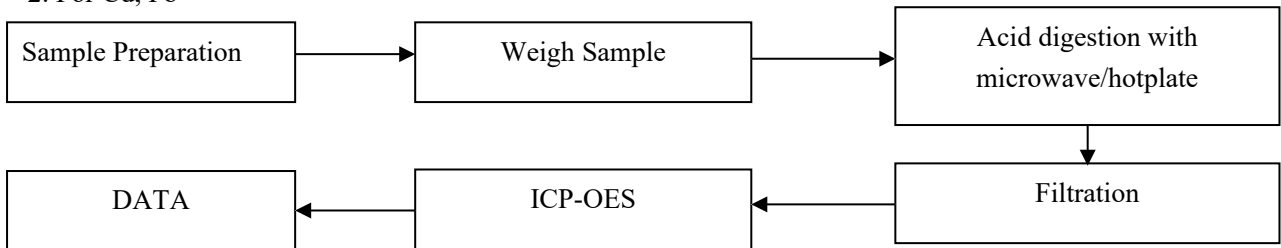
Test point	Test point description
1-1	Black plating
1-2	Metal cover
1-3	Silver metal plate
1-4	Silver metal frame net
1-5	Silver metal bracket leg+ Cylindrical silver metal
1-6	Black plastic
1-7	Sheet metal sheet
1-8	Metal screw+ Silver metal screw pad+ Silver metal long screw
1-9	Wooden handle
1-10	Round metal sheet with hole+ Perforated right angle metal sheet
1-11	Metal latch+ Metal latch hook

Test Flow Chart

1. For Phthalates



2. For Cd, Pb



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The photo of the sample



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AGC authenticates the photo only on the original report

*** End of Report ***

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9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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