



中国认可  
国际互认  
检测  
TESTING  
CNAS L6478



# TEST REPORT

**Reference No.** ..... : WTF20F04023831A2F

**Applicant** ..... : Mid Ocean Brands B.V.

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

**Manufacturer** ..... : 104438

**Sample Name** ..... : BBQ grill

**Model No.** ..... : MO8828

**Test Requested** ..... : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005(LFGB) Section 30 & 31, Council of Europe Resolution CM/Res(2013)9, Council of Europe Resolution AP (2004)1. and Regulation (EC) No 1935/2004.

**Test Conclusion**..... : **Pass** (Please refer to next pages for details)

**Date of Receipt sample** ... : 2020-04-30 & 2020-06-18

**Date of Test**..... : 2020-04-30 to 2020-06-28

**Date of Issue** ..... : 2020-06-29

**Test Result** ..... : Please refer to next page (s)

**Remark** ..... : Selected test(s) as requested by applicant

**Remarks:**

The results shown in this test report refer only to the sample(s) tested; this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.

**Prepared By:**

**Waltek Services (Foshan) Co., Ltd.**

Address: No.13-19, 2/F., 2nd Building, Sunlink International Machinery City, Chencun, Shunde District, Foshan, Guangdong, China

Tel:+86-757-23811398 Fax:+86-757-23811381 E-mail:info@waltek.com.cn

Compiled by:

*Abby Zhou*

Abby.Zhou / Project Engineer

Approved by:



*Swing Liang*

Swing.Liang / Technical Manager

**Test Results:****1. Council of Europe Resolution CM/Res(2013)9-Specific Migration of Heavy Metal**

Test Items	1st+2nd Migration (mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.1	No.2	No.3		
Aluminium (Al)	ND	ND	ND	0.2	35
Antimony (Sb)	ND	ND	ND	0.02	0.28
Chromium (Cr)	ND	ND	ND	0.04	1.75
Cobalt (Co)	ND	ND	ND	0.02	0.14
Copper (Cu)	ND	ND	ND	0.2	28
Iron (Fe)	2.8	ND	0.4	0.4	280
Manganese (Mn)	ND	ND	ND	0.2	12.6
Molybdenum (Mo)	ND	ND	ND	0.02	0.84
Nickel (Ni)	ND	ND	ND	0.02	0.98
Silver (Ag)	ND	ND	ND	0.02	0.56
Tin (Sn)	ND	ND	ND	0.2	700
Vanadium (V)	ND	ND	ND	0.01	0.07
Zinc (Zn)	ND	ND	ND	0.2	35
Arsenic (As)	ND	ND	ND	0.002	0.014
Barium (Ba)	ND	ND	4.4	0.2	8.4
Beryllium (Be)	ND	ND	ND	0.01	0.07
Cadmium (Cd)	ND	ND	ND	0.002	0.035
Lead (Pb)	ND	ND	ND	0.01	0.07
Lithium (Li)	ND	ND	ND	0.01	0.336
Mercury (Hg)	ND	ND	ND	0.002	0.021
Thallium (Tl)	ND	ND	ND	0.0002	0.0007
Magnesium (Mg)	ND	ND	ND	0.2	--
Titanium (Ti)	ND	ND	ND	0.02	--



Test Items	3rd Migration (mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.1	No.2	No.3		
Aluminium (Al)	ND	ND	ND	0.1	5
Antimony (Sb)	ND	ND	ND	0.01	0.04
Chromium (Cr)	ND	ND	ND	0.02	0.25
Cobalt (Co)	ND	ND	ND	0.01	0.02
Copper (Cu)	ND	ND	ND	0.1	4
Iron (Fe)	1.0	ND	ND	0.2	40
Manganese (Mn)	ND	ND	ND	0.1	1.8
Molybdenum (Mo)	ND	ND	ND	0.01	0.12
Nickel (Ni)	ND	ND	ND	0.01	0.14
Silver (Ag)	ND	ND	ND	0.01	0.08
Tin (Sn)	ND	ND	ND	0.1	100
Vanadium (V)	ND	ND	ND	0.005	0.01
Zinc (Zn)	ND	ND	ND	0.1	5
Arsenic (As)	ND	ND	ND	0.001	0.002
Barium (Ba)	ND	ND	ND	0.1	1.2
Beryllium (Be)	ND	ND	ND	0.005	0.01
Cadmium (Cd)	ND	ND	ND	0.001	0.005
Lead (Pb)	ND	ND	ND	0.005	0.01
Lithium (Li)	ND	ND	ND	0.005	0.048
Mercury (Hg)	ND	ND	ND	0.001	0.003
Thallium (Tl)	ND	ND	ND	0.0001	0.0001
Magnesium (Mg)	ND	ND	ND	0.1	--
Titanium (Ti)	ND	ND	ND	0.01	--

**Note:**

1. Test Method: With reference to BS EN 13130-1: 2004, analysis was performed by ICP-OES and ICP-MS.
2. Test Condition and simulant: Sample(s) were migrated with 5g/L citric acid at 70°C for 2 hours.
3. "mg/kg" = milligram per kilogram of foodstuff in contact with
4. LOQ = Limit of quantitation
5. ND = Not Detected, less than LOQ
6. "--" = Not regulated
7. The specification was quoted from Technical Guide on Metals and alloys used in food contact materials of Council of Europe Resolution CM/Res(2013)9.

**2. Overall Migration Test**

Food Simulant	Test Condition	Result (mg/dm <sup>2</sup> )	LOQ (mg/dm <sup>2</sup> )	Limit (mg/dm <sup>2</sup> )
		No.3		
3% Acetic Acid	70°C for 2 hours	ND	3	10
10% Ethanol	70°C for 2 hours	3	3	10
95% Ethanol	60°C for 2 hours	ND	3	10
Isooctane	40°C for 0.5 hour	ND	3	10

Note:

1. Test method: With reference to BS EN 1186-1: 2002, BS EN 1186-3: 2002, BS EN 1186-9: 2002 and BS EN 1186-14: 2002.
2. "mg/dm<sup>2</sup>" = milligram per square decimetre
3. "°C" = Celsius degree
4. LOQ = Limit of quantitation
5. ND = Not Detected, less than LOQ
6. The specification was quoted from Council of Europe Resolution AP (2004)1.
7. As per client's requirement, the result was quoted from Report No. WTF20F04023831A2F

**3. Bisphenol A Content\***

Test Item	Result (mg/kg)	LOQ (mg/kg)	Limit (mg/kg)
	No.4		
Bisphenol A	ND	0.1	Not Detected (<0.1mg/kg)

Note:


1. Test Method: With reference to EPA3550C:2007, analysis was performed by GC-MS.
2. "mg/kg" = milligram per kilogram
3. LOQ = Limit of quantitation
4. ND = Not Detected, less than LOQ
5. The specification was quoted from Law No 2012-1442.
6. The testing item marked with "\*" does not been accredited by CNAS.
7. As per client's requirement, the result was quoted from Report No. WTF20F06038395F



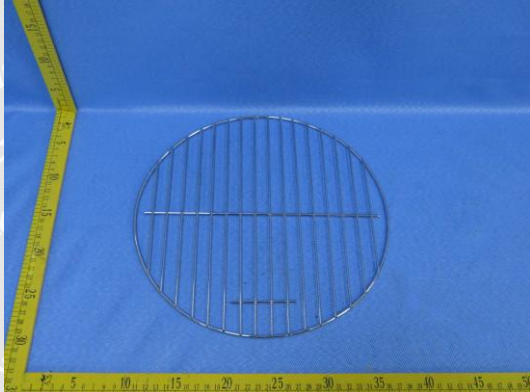


**Sample Photo:**



**Photograph of parts tested:**

No.	Photo of testing part	Parts Description	Client Claimed Material
1		Silvery metal	Stainless steel



No.	Photo of testing part	Parts Description	Client Claimed Material
2		Silvery metal	Electroplated iron
3		Black coating	Coating (Sample received at 2020-04-30)
4		Black coating	Coating (Sample received at 2020-06-18)

===== End of Report =====